

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 13, 2003, 20:16:11 ; Search time 68.616 Seconds
(without alignments)
6439.084 Million cell updates/sec

Title: US-09-981-353-24

Perfect score: 1001
Sequence: 1 atgattcagcattcagcgc.....gtgcacaaagccagcaaa 1001

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

Issued Patents NM: *
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2: /cgn2_6/ptodata/2/ina/5B COMB.seq: *
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5: /cgn2_6/ptodata/2/ina/PCBUS COMB.seq: *
6: /cgn2_6/ptodata/2/ina/backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed.
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	545.8	54.5	560 1	US-08-469-667-10 Sequence 10, Appl
2	545.8	54.5	560 4	US-09-224-110-10 Sequence 10, Appl
3	545.8	54.5	560 5	PCT-US95-07289-10 Sequence 10, Appl
4	352.4	35.2	4069 4	US-09-170-496D-287 Sequence 287, App
5	352.4	35.2	4069 4	US-09-170-496D-288 Sequence 288, App
6	352.4	35.2	5925 4	US-09-315-926A-78 Sequence 78, Appl
7	352.2	35.2	3789 3	US-09-075-019-8 Sequence 8, Appl
8	352.2	35.2	3983 4	US-09-481-049-1 Sequence 1, Appl
9	351.8	35.1	4824 2	US-08-485-139-5 Sequence 5, Appl
10	351.8	35.1	8710 1	US-08-750-357-5 Sequence 3, Appl
11	351.8	35.1	8710 1	US-08-480-882B-3 Sequence 3, Appl
12	351.8	35.1	8710 1	US-08-480-810-3 Sequence 3, Appl
13	351.8	35.1	9019 1	US-08-480-882B-4 Sequence 4, Appl
14	351.8	35.1	9019 1	US-08-480-210-4 Sequence 4, Appl
15	350.8	35.0	584 4	US-09-702-705-639 Sequence 639, App
16	350.8	35.0	584 4	US-09-726-457-639 Sequence 639, App
17	350.8	35.0	738 1	US-08-726-462B-3 Sequence 3, Appl
18	350.8	35.0	738 2	US-09-046-203-3 Sequence 3, Appl
19	350.8	35.0	738 3	US-09-272-104-3 Sequence 3, Appl
20	350.8	35.0	738 4	US-09-272-097-3 Sequence 3, Appl
21	350.8	35.0	4118 4	US-09-068-821-17 Sequence 17, Appl
22	350.8	35.0	4118 4	US-09-068-821-18 Sequence 18, Appl
23	350.8	35.0	4283 1	US-08-343-401A-3 Sequence 3, Appl
24	350.8	35.0	4283 1	US-08-445-265A-1 Sequence 1, Appl
25	350.8	35.0	4283 3	US-08-990-442-1 Sequence 1, Appl
26	350.8	35.0	4283 4	US-09-614-178-1 Sequence 1, Appl
27	350.8	35.0	10306 3	US-08-716-351A-4 Sequence 4, Appl

C 28	350.8	35.0	10970 3	US-08-716-351A-5 Sequence 5, Appl
C 29	350.6	35.0	5692 4	US-09-526-993-11 Sequence 11, Appl
C 30	350.6	35.0	5737 4	US-09-526-993-9 Sequence 9, Appl
C 31	350.6	35.0	6157 4	US-09-526-993-10 Sequence 10, Appl
C 32	350.6	35.0	6202 4	US-09-526-993-8 Sequence 8, Appl
C 33	350.2	35.0	716 3	US-08-998-416-55 Sequence 55, Appl
C 34	350.2	35.0	752 4	US-08-976-259-108 Sequence 108, App
C 35	350.2	35.0	2961 3	US-08-446-935-6 Sequence 6, Appl
C 36	350.2	35.0	2973 4	US-09-402-266B-17 Sequence 17, Appl
C 37	350.2	35.0	3699 3	US-08-646-538-6 Sequence 6, Appl
C 38	350.2	35.0	3699 3	US-09-503-222-6 Sequence 6, Appl
C 39	350.2	35.0	3956 4	US-09-402-266B-21 Sequence 21, Appl
C 40	350.2	35.0	3988 4	US-09-358-856C-12 Sequence 12, Appl
C 41	350.2	35.0	4088 4	US-09-402-266B-18 Sequence 18, Appl
C 42	350.2	35.0	4102 4	US-09-402-266B-20 Sequence 20, Appl
C 43	350.2	35.0	4145 3	US-08-651-472-62 Sequence 62, Appl
C 44	350.2	35.0	4145 3	US-08-358-928-62 Sequence 62, Appl
C 45	350.2	35.0	4277 3	US-08-651-472-63 Sequence 63, Appl

ALIGNMENTS

RESULT 1
US-08-469-667-10
Sequence 10, Application US/08469667
Patent No. 573748
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Iiang
TITLE OF INVENTION: Colon Specific Genes and Proteins
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
ADDRESSER: Stewart & Olstein
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: NJ
COUNTRY: USA
ZIP: 07068-1739
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,667
FILING DATE: 06-JUN-1995
CLASSIFICATION: 516
ATTORNEY/AGENT INFORMATION:
NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-435
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 560 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 2..490
FEATURE:
NAME/KEY: mat.peptide
LOCATION: 2..490
US-08-469-667-10
Query Match 54.5%; Score 545.8; DB 1; Length 560;
Best Local Similarity 99.5%; Pred. No. 3.5e-154;

Matches 558; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 42 AGTGGCTCTCTACCCCTTCTCTGTGCTCAGCCTCTGGCAATCCCATTCAGGCGAGTGC 101
DB 1 AGTGGCTCTCTACCCCTTCTCTGTGCTCAGCCTCTGGCAATCCCATTCAGGCGAGTGC 60

QY 102 TTCCTCTATAGTGAAGATGAGAGTGTGTGAAGGATTCCTCTATCTGGCAA 161
DB 61 TTCCTCTATAGTGAAGATGAGAGTGTGTGAAGGATTCCTCTATCTGGCAA 120

QY 162 CCAATTGAGCGGCCCATCAACCGCCCTCCGGGTCGAGTCAACATATCATCTGATG 221
DB 121 CCAATTGAGCGGCCCATCAACCGCCCTCCGGGTCGAGTCAACATATCATCTGATG 180

QY 222 TCTTCAAGTGGCTATGAGCAAGTGTGTGAAGGATTCCTCTATCTGGCAA 281
DB 181 TCTTCAAGTGGCTATGAGCAAGTGTGTGAAGGATTCCTCTATCTGGCAA 240

QY 282 GAGAGAGATCTTCTGACCCCTGGGGAATCAGTATCAGGTTCTGGGAAGTACAAGT 341
DB 241 GAGAGAGATCTTCTGACCCCTGGGGAATCAGTATCAGGTTCTGGGAAGTACAAGT 300

QY 342 GTACCTGAGAGAGTGTGATTTGTGACAGACAGGCGCTATCTGTCTTTGGAAAGA 401
DB 301 GTACCTGAGAGAGTGTGATTTGTGACAGACAGGCGCTATCTGTCTTTGGAAAGA 360

QY 402 CAGTGGCAAGATTGATGCGCTGCTGCTGACCCCAACCGCTCTCGGCTTCATGAG 461
DB 361 CAGTGGCAAGATTGATGCGCTGCTGCTGACCCCAACCGCTCTCGGCTTCATGAG 420

QY 462 TGGCCGGTGTGTTCTGATCGATGAGTGTGCTGAGTGGAGTGTAAACCCACTAG 521
DB 421 TGGCCGGTGTGTTCTGATCGATGAGTGTGCTGAGTGGAGTGTAAACCCACTAG 480

QY 522 CTGACAGAGATGCTGAGCCTCTCTCTTGTGGCAGGCGCACTGTATGAGAGTAAAGT 581
DB 481 CTGACAGAGATGCTGAGCCTCTCTCTTGTGGCAGGCGCACTGTATGAGAGTAAAGT 540

QY 582 CCCTTATCACTAACCCCATC 602
DB 541 -CCCTTATCACTAACCCCATC 560

RESULT 2
US-09-224-110-10
Sequence 10, Application US/09224110
Patent No. 6337195
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang
APPLICANT: Rosen, Craig
TITLE OF INVENTION: Colon Specific Genes and Proteins
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carella, Byrne, Bain, Giffillan, Cecchi,
ADDRESSEE: Stewart & Olstein
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: NJ
COUNTRY: USA
ZIP: 07068-1739
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/224,110
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/469,667
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:

NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-435
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 560 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 2..490
NAME/KEY: mat_peptide
LOCATION: 2..490
US-09-224-110-10

Query Match 54.5%; Score 545.8; DB 4; Length 560;
Best Local Similarity 99.5%; Pred. No. 3.5e-154;
Matches 558; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 42 AGTGGCTCTCTACCCCTTCTCTGTGCTCAGCCTCTGGCAATCCCATTCAGGCGAGTGC 101
DB 1 AGTGGCTCTCTACCCCTTCTCTGTGCTCAGCCTCTGGCAATCCCATTCAGGCGAGTGC 60

QY 102 TTCCTCTATAGTGAAGATGAGAGTGTGTGAAGGATTCCTCTATCTGGCAA 161
DB 61 TTCCTCTATAGTGAAGATGAGAGTGTGTGAAGGATTCCTCTATCTGGCAA 120

QY 162 CCAATTGAGCGGCCCATCAACCGCCCTCCGGGTCGAGTCAACATATCATCTGATG 221
DB 121 CCAATTGAGCGGCCCATCAACCGCCCTCCGGGTCGAGTCAACATATCATCTGATG 180

QY 222 TCTTCAAGTGGCTATGAGCAAGTGTGTGAAGGATTCCTCTATCTGGCAA 281
DB 181 TCTTCAAGTGGCTATGAGCAAGTGTGTGAAGGATTCCTCTATCTGGCAA 240

QY 282 GAGAGAGATCTTCTGACCCCTGGGGAATCAGTATCAGGTTCTGGGAAGTACAAGT 341
DB 241 GAGAGAGATCTTCTGACCCCTGGGGAATCAGTATCAGGTTCTGGGAAGTACAAGT 300

QY 342 GTACCTGAGAGAGTGTGATTTGTGACAGACAGGCGCTATCTGTCTTTGGAAAGA 401
DB 301 GTACCTGAGAGAGTGTGATTTGTGACAGACAGGCGCTATCTGTCTTTGGAAAGA 360

QY 402 CAGTGGCAAGATTGATGCGCTGCTGCTGACCCCAACCGCTCTCGGCTTCATGAG 461
DB 361 CAGTGGCAAGATTGATGCGCTGCTGCTGACCCCAACCGCTCTCGGCTTCATGAG 420

QY 462 TGGCCGGTGTGTTCTGATCGATGAGTGTGCTGAGTGGAGTGTAAACCCACTAG 521
DB 421 TGGCCGGTGTGTTCTGATCGATGAGTGTGCTGAGTGGAGTGTAAACCCACTAG 480

QY 522 CTGACAGAGATGCTGAGCCTCTCTCTTGTGGCAGGCGCACTGTATGAGAGTAAAGT 581
DB 481 CTGACAGAGATGCTGAGCCTCTCTCTTGTGGCAGGCGCACTGTATGAGAGTAAAGT 540

QY 582 CCCTTATCACTAACCCCATC 602
DB 541 -CCCTTATCACTAACCCCATC 560

RESULT 3
PCT-US95-07289-10
Sequence 10, Application PC/TUS9507289
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang
APPLICANT: Rosen, Craig
TITLE OF INVENTION: Colon Specific Genes and Proteins


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: ORGANISM: Artificial Sequence
: FEATURE:
: NAME/KEY: misc feature
: OTHER INFORMATION: Description of Artificial Sequence: phage
: NAME/KEY: primer_bind

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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/075,019
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Kovarik, Joseph B.
REGISTRATION NUMBER: 33,005
REFERENCE/DOCKET NUMBER: 2848-22
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 863-9700
TELEFAX: (303) 863-0223
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 3789 base pairs
TYPE: nucleic acid

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; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
US-09-075-019-8

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Query Match	35.2%;	Score 352.2;	DB 3;	Length 3789;
Best Local Similarity	88.4%;	Pred. No. 1e-95;		
Matches 357;	Conservative 0;	Mismatches 47;	Indels 0;	Gaps 0;

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Oy 658 AAATGTTATCCGCTCACAATTCACACACATACGAGCCGGAACATTAAGTTAAAGC 717
 Db 1589 AAATGTTATCCGCTCACAATTCACACACATACGAGCCGGAACATTAAGTTAAAGC 1648

Db

Oy 718 CTGGGAGTGAATGAGTGAGCTACATCATTAATTGGCGTTGCCTCACTGCCCGCTTT 777

1649 CTGGGAGTGAATGAGTGAGCTACATCATTAATTGGCGTTGCCTCACTGCCCGCTTT 1708

178 C C A G T G G G A A A C C T G T C G T G C C A G C T G C A T T A A G A A T G G C C A A G C C G G G A G A G G 837
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27 858 CCGAATGCAATGGCGCTCTTCCGCTCTCTCTGACAGACGCTGGGCTGGT 897
 Db 1769 CCGTTGCGATTGGGCGCTCTTCCGCTCTCTCTGACAGACGCTGGGCTGGT 1838

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 Dp
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 1829 TCGGCTGGCGGAGCGGTATCAGCTCAGCTCAGCTCAAGCGGCTATATACGGTTATCCACAGAAATC 1888
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1889 AGGGGATTAACGACGAAAGACATGTAGCAAAAAGCCACGAAA 1932

RESULT 8
US-09-481-049-1
; Sequence 1, Application US/09481049

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: GENERAL INFORMATION:
: APPLICANT: DE BEUCKELAER, Marc
: TITLE OF INVENTION: METHODS FOR IDENTIFYING ELITE EVENT GAT-ZM1 IN

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FILE REFERENCE: 514412-2025
CURRENT APPLICATION NUMBER: US/09/481,049
CURRENT FILING DATE: 2000-01-11

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; SOFTWARE: Patenlin Ver. 2.1
; SEO ID NO 1
; LENGTH: 3983
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' ORGANISM: Zea mays
US-09-481-049-1

Query March 26 2k. Scored 357. DP 4. March 2002.

[illegible]

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Db 1840 AGCCTGGGGTGCCTAATGAGTGAAGTCACTCAACATTAATGCGGTGCGCTCACTGCCCCG 1899

QY 775 TTTCAGTCCGGAACCTGTGTCTCCAGCTGATTAATGATCGGCCAACCGCGGGAG 834
Db 1900 TTTCAGTCCGGAACCTGTGTCTCCAGCTGATTAATGATCGGCCAACCGCGGGAG 1955

Db 1960 AGGCGGTTGCGAATGGGCGCTCTTCCGCTTCTCGCTCAGCTACACTCGCTCGCTCGGT 2015

Db 2030 CGTTGGGTGCGGCGAGCGTATCAGCTACTCAAGAAGCGGTATACGGTTATCCACAGA 2079
CCT TATTCCCCCATGACCGGCATAAATCACTTCACAACTTCCTTAAGCCAGGATGAAA 1001

Db 2080 ATCAGGGGATTAACGACGAAAGAACATGTGAGCAAAAAGGCCACAGAAA 2126

RESULT 9
US-08-485-139-5
: Sequence 5, Application US/08485139
: Patent No. 5860311

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: GENERAL INFORMATION:
:
: APPLICANT: KREBBERS, Enno
:
: APPLICANT: WILLIAMS, Mark
:
: APPLICANT: IFFMANS, Jan

```

: TITLE OF INVENTION: USE OF ANTHOCYANIN GENES TO MAINTAIN
 : TITLE OF INVENTION: MALE STERILE PLANTS
 : NUMBER OF SEQUENCES: 6
 : CORRESPONDENCE ADDRESS:

ADDRESS: Burns, Boone, Swecker & Matulis
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia

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? COMPANY: United States
? ZIP: 22313-1404
?
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
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1 OPERATING SYSTEM: PC-DOS/MS-DOS
2 SOFTWARE: PatentIn Release #1.0, Version #1.25
3 CURRENT APPLICATION DATA:
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FILING DATE: 07-JUN-1995
 CLASSIFICATION: 800
 ATTORNEY/AGENT INFORMATION:

REGISTRATION NUMBER: 39,300
REFERENCE/DOCKET NUMBER: 010830-096
TELECOMMUNICATION INFORMATION:

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:
: TELEFAX: (703) 836-2021
:
: INFORMATION FOR SEO ID NO: 5:
: SEQUENCE CHARACTERISTICS:
:
:

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;
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
;
molname = circular

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? ORIGINAL SOURCE:
? ORGANISM: plasmid pCOL9
? FEATURE:
? NAME/KEY:

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? LOCATION: 396..401 /label= EcORI
? OTHER INFORMATION:
? FEATURE:
? NAME/KEY: -
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; LOCATION: 2367..2379
; OTHER INFORMATION: /label= Sfli
FEATURE:
NAME/KEY: -

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LOCATION: 884..886 /label= C1-S
OTHER INFORMATION:
OTHER INFORMATION: /note= "TGCAG (in C1) which in C1-S allele is

```


[illegible]

```

RESULT 15
US-09-702-705-639
; Sequence 639, Application US/09702705
Patent No. 6504010
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Iodes, Michael A.
APPLICANT: Fanger, Gary
APPLICANT: Vedvik, Tom
APPLICANT: Carter, Darrick
APPLICANT: Retter, Marc
APPLICANT: Mannion, Jane
APPLICANT: Fan, Liqun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITILE OF INVENTION: DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.478C14
CURRENT APPLICATION NUMBER: US/09/702,705
NUMBER OF SEQ ID NOS: 1833
SOFTWARE: Pasteq for Windows Version 3.0
SEQ ID NO 639
LENGTH: 584
TYPE: DNA
ORGANISM: Homo sapien
US-09-702-705-639

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Query Match	35.0 %	Score	350.8	DB	4	Length	584
Best Local Similarity	88.5 %	Pred. NO.	1.2e-95				
Matches	355	Conservative	0	Mismatches	46	Indels	0
						Gaps	0

[illegible]

Oy	781	GTCCGGAACCTGTGTCGTCACAGCTGCA	TTAATGATCGGCCAACCGCGGGAGAGCCG	840
Db	191	GTCCGGAACCTGTGTCGTCACAGCTGCA	TTAATGATCGGCCAACCGCGGGAGAGCCG	250
Oy	841	TTTTCGTAATTTGGGCGCTCTTC	CGCTCTCCGCTCACTGACTGCGCTCGCTCTTCG	900
Db	251	TTTTCGTAATTTGGGCGCTCTTC	CGCTCTCCGCTCACTGACTGCGCTCGCTCTTCG	310
Oy	901	GCTGCGGAGACGGTATCACTCACTCAAA	GGCGGTAATACGGTTATCAACGAATCAG	960
Db	311	GCTGCGGAGACGGTATCACTCACTCAAA	GGCGGTAATACGGTTATCAACGAATCAG	370
Oy	961	GGGATACGACAGAAAGAACTATGTAGCA	AAAGGCGACGACAA	1001
Db	371	GGATACGACAGAAAGAACTATGTAGCA	AAAGGCGACGACAA	411

Search completed: December 14, 2003, 00:17:25
Job time : 70.616 secs

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Db 121 TATGAGATGTGTGAGAAAGCAATTCCTCATTTCTGGCAACGATTGACGGCCCATC 180
Qy 181 ACCGCCCCCGGGTCCAGTCAACATCACTACATTCGATGCTTTCAGTGGCTTAAGGC 240
Db 181 ACCGCCCCCGGGTCCAGTCAACATCACTACATTCGATGCTTTCAGTGGCTTAAGGC 240
Qy 241 AAGGTGTGAGAGCACTATGTGGTGTGTGCAACGAGAGCCTGAGAGAGATCTTCTGAC 300
Db 241 AAGGTGTGAGAGCACTATGTGGTGTGTGCAACGAGAGCCTGAGAGAGATCTTCTGAC 300
Qy 301 CTTGGGGAATGATGATTCAGAGTTTCTGGGAAGTACAGTGTACTGGAAGACCTGTA 360
Db 301 CTTGGGGAATGATGATTCAGAGTTTCTGGGAAGTACAGTGTACTGGAAGACCTGTA 360
Qy 361 TTTGTGACAGCAAGGGCCGCTATCTCTTTTGGGAAGACAGTGGCAAGATTCAAT 420
Db 361 TTTGTGACAGCAAGGGCCGCTATCTCTTTTGGGAAGACAGTGGCAAGATTCAAT 420
Qy 421 GCCGTCCCTTGCACCCCAACCGGTGCTCCGCTTCACTAGTGGCCGGTCTGTTCTC 480
Db 421 GCCGTCCCTTGCACCCCAACCGGTGCTCCGCTTCACTAGTGGCCGGTCTGTTCTC 480
Qy 481 ATCGATGCCATTTGCTGCACTGGGATGTTTACCCCACTAGCTGAGAGATGCTGAGCC 540
Db 481 ATCGATGCCATTTGCTGCACTGGGATGTTTACCCCACTAGCTGAGAGATGCTGAGCC 540
Qy 541 TCCCTCTCTTGGGAGGGGCACTGTGATGAGAGATGAACCTCCCTTATCACTAACCCCA 600
Db 541 TCCCTCTCTTGGGAGGGGCACTGTGATGAGAGATGAACCTCCCTTATCACTAACCCCA 600
Qy 601 TCCAAATGAGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 660
Db 601 TCCAAATGAGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 660
Qy 661 TTGTTATCCGCTCAAAATTCACACAAATACGAGCCGGAAGCATAAAGTGTAAAGCTG 720
Db 661 TTGTTATCCGCTCAAAATTCACACAAATACGAGCCGGAAGCATAAAGTGTAAAGCTG 720
Qy 721 GGGGCTTAATGATGATGATCACTATTAATGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
Db 721 GGGGCTTAATGATGATGATCACTATTAATGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
Qy 781 GTGGGAAACCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Db 781 GTGGGAAACCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Qy 841 TTTGCGATTTGGGCGCTCTTCCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 900
Db 841 TTTGCGATTTGGGCGCTCTTCCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 900
Qy 901 GCTGCGGAGAGCGGTATCACTCAAAAGCGGTATACAGTTATCCCAAGATCAGG 960
Db 901 GCTGCGGAGAGCGGTATCACTCAAAAGCGGTATACAGTTATCCCAAGATCAGG 960
Qy 961 GGGATACGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1001
Db 961 GGGATACGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1001

RESULT 2
US-10-235-994-17
; Sequence 17, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYT0012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
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Qy 27 CCCCAGAAATTTACAGTGGCTTCTCTAGCCCTTCTGAGCTTCTGAGCTTCTGAGCTTCTG 86
Db 129 CCCCAGAAATTTACAGTGGCTTCTCTAGCCCTTCTGAGCTTCTGAGCTTCTGAGCTTCTG 188
Qy 87 CATTAGGCGAGGCTTCTCTCTATAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 146
Db 189 CATTAGGCGAGGCTTCTCTCTATAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 248
Qy 147 CTCTCATTTGAGCAACAGTTGAGCGCCCATACCGCTTCCGGTCCGAGTCAAC 206
Db 249 CTCTCATTTGAGCAACAGTTGAGCGCCCATACCGCTTCCGGTCCGAGTCAAC 308
Qy 207 ATACTACATGATGATGCTTCAAGTGGCTATGAGCAAGTGTGAAGCACTATGTGGGTG 266
Db 309 ATACTACATGATGATGCTTCAAGTGGCTATGAGCAAGTGTGAAGCACTATGTGGGTG 368
Qy 267 TCGCAACGAGAGCCTGAGAGAGATCTTCTGACCCCTGGGGAATCAAGTATCGAGTTTC 326
Db 369 TCGCAACGAGAGCCTGAGAGAGATCTTCTGACCCCTGGGGAATCAAGTATCGAGTTTC 428
Qy 327 TGGAAAGTACAGTGTACTGAGAGAGCTGTATTTGACAGACAGAGGCGCTATCT 386
Db 429 TGGAAAGTACAGTGTACTGAGAGAGCTGTATTTGACAGACAGAGGCGCTATCT 488
Qy 387 GTCTTTTGGAAAGACAGTGGCAAGTTCATATGCGCTTCCCTTCCCAACCCCAACCGT 446
Db 489 GTCTTTTGGAAAGACAGTGGCAAGTTCATATGCGCTTCCCTTCCCAACCCCAACCGT 548
Qy 447 GCTCCGCTTCACTGAGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 506
Db 549 GCTCCGCTTCACTGAGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 608
Qy 507 TGTTAACCCCACTAGCTGAGAGATGCTGAGCTTCTCTTGGCAGGGGCACTGTGA 566
Db 609 TGTTAACCCCACTAGCTGAGAGATGCTGAGCTTCTCTTGGCAGGGGCACTGTGA 668
Qy 567 TGAAGATTAAGAACTCCCTTATCACTAACCCCATCAAAATG 609
Db 669 TGAAGATTAAGAACTCCCTTATCACTAACCCCATCAAAATG 711

RESULT 3
US-10-158-646-5
; Sequence 5, Application US/10158646
; Publication No. US20030073105A1
; GENERAL INFORMATION:
; APPLICANT: Laeak, Amy K.W.
; APPLICANT: Sornasse, Thierry
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0030-1 US
; CURRENT APPLICATION NUMBER: US/10/158,646
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: 60/295,239
; PRIOR FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 5
; LENGTH: 736
; TYPE: DNA

Query Match 58.2%; Score 583; DB 15; Length 737;
Best Local Similarity 100.0%; Pred. No. 58-180;
Matches 583; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 4
US/10-229-346-5/c
; Sequence 5, Application US/10229346
; Publication No. US20030120054A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Eric
; APPLICANT: Stacy, Cheryl
; TITLE OR INVENTION: Modified Cry3A Toxins
; FILE REFERENCE: 60065A
; CURRENT APPLICATION NUMBER: US/10/229,346
; PENDING FILING DATE: 2002-08-27
; PRIOR APPLICATION NUMBER: 60/316,421
; PRIOR FILING DATE: 2001-08-31
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 7208
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: pc1CB6650

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	Query Match	35.2%	Score 352.4	DB 15	Length 4069;
	Best Local Similarity	88.8%	Pred. No. 3e-104		
	Matches 356;	Conservative 0;	Mismatches 45;	Indels 0;	Gaps 0;
Qy	601	TCCAAATGAGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNCTGTGTGA	660		
Db	1299	TGCAAAAAGCTCCCTCGAGACTTGGCGTAATCATGTGTACGTGTTTCCTGTGTAAA	1358		
Qy	661	TTGTTATCGGCTACAATTCCAACAACATACGAGCCGAAGCATAAAGTGTAAGCCTG	720		

Db	1359	TTGTTATCCGCTCAACAATTCCACAAACATACGAGCCGGAAGCATTAAGTGTAAAGCTTG	1418
Qy	721	GGGAGCCAAATGAGAGACTAATCAACATTAATTTGGCTTGGCTCATCTCCGCTTTTCCA	780
Db	1419	GGGATCCAAATGAGAGACTAATCAACATTAATTTGGCTTGGCTCATCTCCGCTTTTCCA	1478
Qy	781	GTCGGAAAACCTGTGCTGCAGCTGCATTTAATGAATCGGCCAAACGGCCGGGAGAGCCGG	840
Db	1479	GTCGGAAAACCTGTGCTGCAGCTGCATTTAATGAATCGGCCAAACGGCCGGGAGAGCCGG	1538
Qy	841	TTTGCGTATTTGGGCGCCTCTTCGCGTTCCGCGTCACTGACTGGCGCGCTCGGTCGTTGG	900
Db	1539	TTTGCGTATTTGGGCGCCTCTTCGCGTTCCGCGTCACTGACTGGCGCGCTCGGTCGTTGG	1598
Qy	901	GCTGCGCGAGCGGATACAGTCACTCAAAAGCGGTAATACGGTTATCCACGAATCAGG	960
Db	1599	GCTGCGCGAGCGGATACAGTCACTCAAAAGCGGTAATACGGTTATCCACGAATCAGG	1658
Qy	961	GGGATACCGAGAAAGAACATGTAGCAAAAGGCCGCAAA	1001
Db	1659	GGATTAACGACGAAAGAACATGTAGCAAAAGGCCGCAAA	1699

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RESULT 6
US-10-251-385-288/c
; Sequence 288; Application US/10251385
; Publication No. US20030105292A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
TITLE OF INVENTION: Protein-Coupled
TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/10/251,385
CURRENT FILING DATE: 2002-09-20
PRIOR APPLICATION NUMBER: US/09/170,496
PRIOR FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: Patentin version 3.1
SEQ ID NO 288
LENGTH: 4069
TYPE: DNA
ORGANISM: Homo sapiens
US-10-251-385-288

Query Match      35.2%; Score 352.4; DB 15; Length 4069;
Best Local Similarity 88.8%; Pred. No. 36-104;
Matches 356; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

Qy    601   TCCTCAATAGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNTCCGTGCGAAA 660
Db    2771  TGCAAAAGACGCCCTCAGAGAGCTTGGCCTAATCATGTCATAGTCTTTCTGGTGAAAA 2712

Qy    661   TTGTATCCGCTCACAAATTCCAACAACATAGAGCCGAACATTAAGTATAAGCTG 720
Db    2711  TTGTTATCGGCTCAACAATTCACAACAACATAGAGCCGAACATTAAGTATAAGCTG 2652

Qy    721   GGGRGCTTAATGATGAGCTAACACTTAATTGCGTTGCGCTCACTGACCCTTTCCA 780
Db    2651  GGGTGCTTAATGATGAGCTAACACTTAATTGCGTTGCGCTCACTGACCCTTTCCA 2592

Qy    781   GTCCGGAAAACCGTGCTGCAGAGCTCATTAATGAATCCGSCCAAAGCGGGGAGAAGCGCG 840
Db    2591  GTCCGGAAAACCGTGCTGCAGAGCTCATTAATGAATCCGSCCAAAGCGGGGAGAAGCGCG 2532

Qy    841   TTGCGTATTTGGGCGCTCTTCGCGCTTCCTGCTCACTGACTGCGTGGCTCGTCTTGC 900
Db    2531  TTTGGGTATTTGGGCGCTCTTCGCGCTTCCTGCTCACTGACTGCGTGGCTCGTCTTGC 2472

Qy    901   CCTGGGCGAGCGGATACGCTCACTCAAAAGCGGTAATCGGTATTCACAGATCAGG 960

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Db 2471 GCTGGGGGAGCGGTTATCAGTCACTCAAGAGCGGTTAATACGGTTATCCACAGAACTCAG 2412

QY 961 GGGATACCGCAGGAAGAACAATGTGACGAAAAAGCCACGAAA 1001

Db 2411 GGATTACGCGAAGAAACAATGTACGAAAAGCCACGAAA 2371

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RESULT 7
US-10-235-175-78/c
Sequence 78. Application US/10235175
Publication NO. US20030166287a1
GENERAL INFORMATION:
APPLICANT: Es van, Helmut
APPLICANT: Havenga, Menzo
APPLICANT: Verlinden, Stefan
TITLE OF INVENTION: TARGETED DELIVERY THROUGH A CATIONIC AMINO ACID
TITLE OF INVENTION: TRANSPORTER
FILE REFERENCE: 2185-4080US
CURRENT APPLICATION NUMBER: US/10/235,175
CURRENT FILING DATE: 2002-09-04
PRIORITY APPLICATION NUMBER: US/09/315,926
PRIORITY FILING DATE: 1999-05-20
PRIORITY APPLICATION NUMBER: EP 99201593.3
PRIORITY FILING DATE: 1999-05-20
PRIORITY APPLICATION NUMBER: EP 98201693.3
PRIORITY FILING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 81
SOFTWARE: Patentin version 3.0
SEQ ID NO 78
LENGTH: 5925
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Description of Artificial Sequence: phage
FEATURE:
NAME/KEY: primer bind
LOCATION: (1)..(5925)
OTHER INFORMATION: /note="Nucleotide hCMT1 encoding sequence
US-10-235-175-78

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	Query Match	Similarity	35.2%	Score 352.4;	DB 13;	Length 5925;
	Best Local	Similarity	88.8%	Pred. No. 3,4e-104;		
	Matches 356;	Conservative	0;	Mismatches 45;	Indels 0;	Gaps 0;
Qy	601	TCCAAATGNNCTGTGTGA	660			
Db	2258	TCCAAAAAAGGCTCCAAAGCTTGGCGTATCATGTGTACAGCTGTTCTGTGTGA	2199			
Qy	661	TTTGTTATCCGTCACATTCCACAACAATACAGCCGGAAGCTTAAGTTAAAGCTG	720			
Db	2198	TTGTATTCGGTCACAAATTCACAACAATAACGCGGAAGCAATTAAGTTAAAGCTG	2139			
Qy	721	GGGTGCCTTAATGAATGAGTAGTACTCACATTATTTGGCTTGCGCTCAGTCCCGCTTTCCA	780			
Db	2138	GGGTGCCTTAATGAATGAGTAGTACTCACATTATTTGGCTTGCGCTCAGTCCCGCTTTCCA	2079			
Qy	781	GTCCGGAAAACCTGTCTGTCCAGACTGTCAATTAATGAGGCCAACGCCCGGGAGAAGCGG	840			
Db	2078	GTCCGGAAAACCTGTCTGTCCAGACTGTCAATTAATGAGGCCAACGCCCGGGAGAAGCGG	2019			
Qy	841	TTTTGGATTTGGGGGGGCTCTTCGGCTTCTCGGTCACAGACTCGTGGGCTCGGTCGTTGG	900			
Db	2018	TTTTGGATTTGGGGGGGCTCTTCGGCTTCTCGGTCACAGACTCGTGGGCTCGGTCGTTGG	1959			
Qy	901	GCTCGCGAGACGGGTATCAGCTCACTCAAAGGCGGTATACGTTATCCACAGATCAGG	960			
Db	1958	GCTCGCGAGACGGGTATCAGCTCACTCAAAGGCGGTATACGTTATCCACAGATCAGG	1899			
Qy	961	GGGATACGCAAGAAACATGTGACGAAAGCAAGCCACACAA	1001			
Db	1898	GGATPACGCAAGAAACATGTGACGAAAGCAAGCCACACAA	1858			


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; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 639
; LENGTH: 584
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-849-626-639

Query Match      35.0%; Score 350.8; DB 10; Length 584;
Best Local Similarity 88.5%; Pred. No. 4.5e-104;
Matches 355; Conservative 0; Mismatches 46; Indels 0; Gaps 0;

OY   TCCTAAATGANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNTCTGTGTGAAG    660
DB   TCTATTAGTGCACCTTAATAAGCTTGCGGTAATCATGTGCATAGCTGTTTCGTGTGTGAAG          70
OY   TTGGTTATCCGCTCAACAATTCACACACAATACGAGCGCAGAAGCATTAAGTGTAAGCCTG        720
DB   TTGTTATTCGGTCTCACATTCACACACAATACGAGCGCAGAAGCATTAAGTGTAAGCCTG        130
OY   GGAGTCCATAATGATGATGACTAATCTCATATTATTCGTTGGCTCACTGCCCGCTTTCCA         780
DB   GGGAGCTCAATGATGATGAGTAACTCATATTATTCGTTGGCTCACTGCCCGCTTTCCA           190
OY   GTCCGGAAAACCTGTGCTGACCAGCTGCATTAATGTAATGSGCCAGCGCGGGGAGAGCGCG       840
DB   GTCCGGAAAACCTGTGCTGACCAGCTGCATTAATGTAATGSCCAAACGCGCGGGGAGAGCGCG       250
OY   TTTGCGATTGAGGCGCTCTTCGCGCTCTCGCTCACTGACTCGCTGCGCTCGGTCGTTG          900
DB   TTTGCGATTGAGGCGCTCTTCGCGCTCTCGCTCACTGACTCGCTGCGCTCGGTCGTTG          310
OY   GCTGCGGCGAGCGGTATCATGCTCATCTCAAAAGCGGTATATCGATTATCAGATCAGG          960
DB   GCTGCGGCGAGCGGTATCATGCTCATCTCAAAAGCGGTATATCGATTATCAGATCAGG          370
OY   GGGATTACGCGAGAAAGAACATGTGAGCAAAAGCCAGCAAA                1001
DB   GGATTACGCGAGAAAGAACATGTGAGCAAAAGCCAGCAAA                 411

RESULT 15
US-09-476-300-639
; Sequence 639; Application US/09476300
; Publication No. US20030125245A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C3
; CURRENT APPLICATION NUMBER: US/09/476.300
; CURRENT FILING DATE: 1999-12-30
; NUMBER OF SEQ ID NOS: 785
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 639
; LENGTH: 584
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-476-300-639

Query Match      35.0%; Score 350.8; DB 11; Length 584;
Best Local Similarity 88.5%; Pred. No. 4.5e-104;
Matches 355; Conservative 0; Mismatches 46; Indels 0; Gaps 0;

OY   TCCAAATGANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNTCTGTGTGAAG    660
DB   TCTATTAGTGCACCTTAATAAGCTTGCGGTAATCATGTGCATAGCTGTTTCGTGTGTGAAG          70
OY   TTGGTTATCCGCTCAACAATTCACACACAATACGAGCGCAGAAGCATTAAGTGTAAGCCTG        720
DB   TTGTTATTCGGTCTCACATTCACACACAATACGAGCGCAGAAGCATTAAGTGTAAGCCTG        130
OY   GGAGTCCATAATGATGATGACTAATCTCATATTATTCGTTGGCTCACTGCCCGCTTTCCA         780
DB   GGGAGCTCAATGATGATGAGTAACTCATATTATTCGTTGGCTCACTGCCCGCTTTCCA           190
OY   GTCCGGAAAACCTGTGCTGACCAGCTGCATTAATGTAATGSGCCAGCGCGGGGAGAGCGCG       840
DB   GTCCGGAAAACCTGTGCTGACCAGCTGCATTAATGTAATGSCCAAACGCGCGGGGAGAGCGCG       250
OY   TTTGCGATTGAGGCGCTCTTCGCGCTCTCGCTCACTGACTCGCTGCGCTCGGTCGTTG          900
DB   TTTGCGATTGAGGCGCTCTTCGCGCTCTCGCTCACTGACTCGCTGCGCTCGGTCGTTG          310
OY   GCTGCGGCGAGCGGTATCATGCTCATCTCAAAAGCGGTATATCGATTATCAGATCAGG          960
DB   GCTGCGGCGAGCGGTATCATGCTCATCTCAAAAGCGGTATATCGATTATCAGATCAGG          370
OY   GGGATTACGCGAGAAAGAACATGTGAGCAAAAGCCAGCAAA                1001
DB   GGATTACGCGAGAAAGAACATGTGAGCAAAAGCCAGCAAA                 411

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Db      131  ||||| 190
          GGGTGCCTAATGAGTAACTCAACATTAATTGGCTTGCGCTCACTGCCGCTTTCCA
Qy      781  ||||| 840
          GTGCGGAAACCTGTCTGTCAGCTGCATTATGATGCGCAACGCGCGGGAGAGCGG
Db      191  ||||| 250
          GTGCGGAAACCTGTCTGTCAGCTGCATTATGATGCGCAACGCGCGGGAGAGCGG
Qy      841  ||||| 900
          TTGCGTATTGGCGGCTTCCGCTTCTGCTCACTGACTCGCTGCGCTCGGTCGTTGG
Db      251  ||||| 310
          TTGCGTATTGGCGGCTTCTGCTTCTGCTCACTGACTCGCTGCGCTCGGTCGTTGG
Qy      901  ||||| 960
          GCTGCGGCGAGCGGTATCACTCACTCAAAAGCGGTATACGGTTATCCACAGATCAGG
Db      311  ||||| 370
          GCTGCGGCGAGCGGTATCACTCACTCAAAAGCGGTATACGGTTATCCACAGATCAGG
Qy      961  ||||| 1001
          GGGATTACGCGAGAAAGACATGTGAGCAAAAGCCAGCAAA
Db      371  ||||| 411
          GGATTAACGCGAGAAAGACATGTGAGCAAAAGCCAGCAAA
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Search completed: December 14, 2003, 04:48:58
Job time : 325.003 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using SW model

Run on: December 13, 2003, 20:16:11 ; Search time 90.2771 Seconds
(without alignments)
6439.084 Million cell updates/sec

Title: US-09-981-353-81

Sequence: 1 aaggaacaaggaagtcacat.....tttcccttaataaatgtc 1317

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*

- 1: /cgn2_6/prodata/2/ina/5A COMB.seq:*
- 2: /cgn2_6/prodata/2/ina/5B COMB.seq:*
- 3: /cgn2_6/prodata/2/ina/6A COMB.seq:*
- 4: /cgn2_6/prodata/2/ina/6B COMB.seq:*
- 5: /cgn2_6/prodata/2/ina/6C COMB.seq:*
- 6: /cgn2_6/prodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1084.4	82.3	1291	4	US-09-904-615-17 Sequence 17, Appl
2	1079	81.9	1292	4	US-09-904-615-61 Sequence 61, Appl
3	81.2	6.2	1336	4	US-09-702-705-1676 Sequence 1676, Ap
4	81.2	6.2	1336	4	US-09-736-457-1676 Sequence 1676, Ap
5	74.8	5.7	945	4	US-09-149-476-168 Sequence 168, Appl
6	74.8	5.7	1570	4	US-09-489-847-91 Sequence 91, Appl
7	71.2	5.4	2545	1	US-07-869-933-22 Sequence 22, Appl
8	71.2	5.4	2545	1	US-09-103-663-22 Sequence 22, Appl
9	53	4.0	1669	2	US-08-916-902A-2 Sequence 2, Appl
10	53	4.0	1669	2	US-09-213-389-2 Sequence 2, Appl
11	51.6	3.9	1661	1	US-08-318-492-3 Sequence 3, Appl
12	51.6	3.9	1661	1	US-08-707-340-3 Sequence 3, Appl
13	51.6	3.9	1661	2	US-08-994-578-3 Sequence 3, Appl
14	51.6	3.9	1661	2	US-08-232-463-14 Sequence 14, Appl
15	49.4	3.8	1308	4	US-09-724-864-15 Sequence 15, Appl
16	44.4	3.4	7218	1	US-08-232-463-14 Sequence 14, Appl
17	40.8	3.1	2621	2	US-08-553-619B-8 Sequence 8, Appl
18	40.4	3.1	1238	4	US-09-694-094-2 Sequence 2, Appl
19	40.2	3.1	2065	3	US-09-370-473-5 Sequence 5, Appl
20	39.8	3.0	55298	4	US-09-491-356C-1 Sequence 1, Appl
21	39.2	3.0	1024	4	US-09-328-475C-50 Sequence 50, Appl
22	38.8	2.9	1664976	4	US-08-916-421B-1 Sequence 1, Appl
23	38.6	2.9	1798	4	US-09-797-906-1 Sequence 1, Appl
24	38.4	2.9	2207	6	5221620-3 Patent No. 5221620
25	38.4	2.9	2569	6	5221620-1 Patent No. 5221620
26	38.2	2.9	291	1	US-07-922-723A-7 Sequence 7, Appl
27	38.2	2.9	291	1	US-07-799-828C-7 Sequence 7, Appl

28	38.2	2.9	291	1	US-08-074-275-7 Sequence 7, Appl
29	38.2	2.9	291	1	US-08-480-366-7 Sequence 7, Appl
30	38.2	2.9	291	2	US-07-952-277A-7 Sequence 7, Appl
31	38.2	2.9	148567	4	US-09-801-876B-3 Sequence 3, Appl
32	38.2	2.9	152331	3	US-09-128-155-16 Sequence 16, Appl
33	37.6	2.9	454	2	US-08-623-906A-6 Sequence 6, Appl
34	37.2	2.8	227	2	US-08-520-678A-28 Sequence 28, Appl
35	37.2	2.8	227	3	US-08-897-126-28 Sequence 28, Appl
36	37.2	2.8	2674	4	US-09-817-180-1 Sequence 1, Appl
37	37.2	2.8	319608	4	US-09-539-333D-1 Sequence 1, Appl
38	37.2	2.8	319608	4	US-09-679-409-1 Sequence 1, Appl
39	37	2.8	674	4	US-09-620-405B-465 Sequence 465, App
40	37	2.8	674	4	US-09-433-826B-465 Sequence 465, App
41	37	2.8	674	4	US-09-604-287A-465 Sequence 465, App
42	37	2.8	2773	4	US-09-996-243-178 Sequence 178, App
43	37	2.8	3265	4	US-09-996-243-378 Sequence 378, App
44	36.8	2.8	2218	4	US-09-016-434-1157 Sequence 1157, Ap
45	36.8	2.8	2233	1	US-08-496-631-1 Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-09-904-615-17
Sequence 17, Application US/09904615
Patent No. 6566325
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 49 Human Secreted Proteins
FILE REFERENCE: P2032P1
CURRENT APPLICATION NUMBER: US/09/904,615
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: 09/511,554
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/097,917
PRIOR FILING DATE: 1998-08-25
PRIOR APPLICATION NUMBER: 60/098,634
PRIOR FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 170
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 17
LENGTH: 1291
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (1279)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1286)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1290)
OTHER INFORMATION: n equals a,t,g, or c
US-09-904-615-17

Query Match 82.3%; Score 1084.4; DB 4; Length 1291;
Best Local Similarity 97.8%; Pred. No. 2.5e-301;
Matches 111; Conservative 1; Mismatches 17; Indels 7; Gaps 1;

QY	182	AAGAAAGAAACAAACAGAGAGAGATGAAAGACATATGATGTCATCCAAACCAACA	241
DB	75	AAAGAGAAACCTATGAGTGCCAAAGAAACAAAGACATATGATGTCATCCAAAGCAACA	134
QY	242	AGCCATGCTGAAGTAATGAACATACCAACCCCTACCCAGCAAGCCTTTATGGCT	301
DB	135	AGCCATGCTGAAGTAATGAACATACCAACCCCTACCCAGCAAGCCTTTATGGCT	194
QY	302	CCGTGATTTCAACAGCCTCTGGGTTCAATCACTTGAAGAAACCAAGCTCAGGCTGCTCAG	361
DB	195	CCGTGATTTCAACAGCCTCTGGGTTCAATCACTTGAAGAAACCAAGCTCAGGCTGCTCAG	254

QY 362 CGTGTCTAGCCCTACGGCATCACATCTCCGGGAATCTTTGTAGCATCAACGGGTCAA 421
DB 255 CGTGTCTAGCCCTACGGCATCACATCTCCGGGAATCTTTGTAGCATCAACGGGTCAA 314
QY 422 GGAATATCAAAATGATTAATCCAAAGTGTGGAAACAGCATGATGAACCTTTAAAGAA 481
DB 315 GGAATATCAAAATGATTAATCCAAAGTGTGGAAACAGCATGATGAACCTTTAAAGAA 374
QY 482 GCAAGGCACTAGGGGATCCAGATCATGATGATGATGATGATGATGATGATGATGAT 541
DB 375 GCAAGGCACTAGGGGATCCAGATCATGATGATGATGATGATGATGATGATGATGAT 434
QY 542 GTTTGTGTTTAATATCTCTCTTTAGAGAGATTTAGTTTGGCTCTACGCTGT 601
DB 435 GTTTGTGTTTAATATCTCTCTTTAGAGAGATTTAGTTTGGCTCTACGCTGT 494
QY 602 ATTTGTGATATCCATCTGAGGAGGCTTTCTTTTATATCTCTGCTCTCTGTG 661
DB 495 ATTTGTGATATCCATCTGAGGAGGCTTTCTTTTATATCTCTGCTCTCTGTG 554
QY 662 TCAGCATCCAGAGAGCTTTCCCTGTCTGTGTGAAGAGAGAGAGAGAGAGAGAGAG 721
DB 555 TCAGCATCCAGAGAGCTTTCCCTGTCTGTGTGAAGAGAGAGAGAGAGAGAGAGAG 614
QY 722 AGTTCTATCTTGAGCTTCAATGAGTATCTGTGTGTGTGTGTGTGTGTGTGTGTGT 781
DB 615 AGTTCTATCTTGAGCTTCAATGAGTATCTGTGTGTGTGTGTGTGTGTGTGTGTGT 674
QY 782 GTAGCTGAGCAAGAGCTGAGGAGGCTTTCTGTGAAAGAGAGAGAGAGAGAGAGAG 841
DB 675 GTAGCTGAGCAAGAGCTGAGGAGGCTTTCTGTGAAAGAGAGAGAGAGAGAGAGAG 734
QY 842 ATCT 901
DB 735 ATCT 794
QY 902 AACACCAACAACAATATGTCTGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 961
DB 795 AACACCAACAACAATATGTCTGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 854
QY 962 AACACCAACAACAATATGTCTGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1021
DB 855 AACACCAACAACAATATGTCTGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 910
QY 1022 TAGTAAAGAAAG 1081
DB 911 ---TAAAGAAAG 967
QY 1082 CTTAAG 1141
DB 968 CTTAAG 1027
QY 1142 ATTTGTGTTTGT 1201
DB 1028 ATTTGTGTTTGT 1087
QY 1202 TTACCACTACTACATGTGTGCAAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1261
DB 1088 TTACCACTACTACATGTGTGCAAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1147
QY 1262 CTCTCTTAAGTAAAG 1317
DB 1148 CTCTCTTAAGTAAAG 1203

RESULT 2

US-09-904-615-61
Sequence 61. Application US/09904615
Patent No. 6565325
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 49 Human Secreted Proteins
FILE REFERENCE: P2032P1

CURRENT APPLICATION NUMBER: US/09/904, 615
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: 09/511,554
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/097, 917
PRIOR FILING DATE: 1998-08-25
PRIOR APPLICATION NUMBER: 60/098, 634
PRIOR FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 170
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 61
LENGTH: 1292
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (71)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (697)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1280)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1287)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1291)
OTHER INFORMATION: n equals a,t,g, or c
US-09-904-615-61

Query Match 81.9%; Score 1079; DB 4; Length 1292;

Best Local Similarity 97.3%; Pred. No. 9e-300; Indels 7; Gaps 1;

Matches 1105; Conservative 4; Mismatches 20;

QY 182 AAGAAAGAAACAAAG 241
DB 76 AAG 135
QY 242 AGCCATGTAAGTAATGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 301
DB 136 AGCCATGTAAGTAATGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 195
QY 302 CTTGATTTCAAG 361
DB 196 CTTGATTTCAAG 255
QY 362 CGTGTCTAGCCCTACGGCATCACATCTCCGGGAATCTTTGTAGCATCAACGGGTCAA 421
DB 256 CGTGTCTAGCCCTACGGCATCACATCTCCGGGAATCTTTGTAGCATCAACGGGTCAA 315
QY 422 GGAATATCAAAATGATTAATCCAAAGTGTGGAAACAGCATGATGAACCTTTAAAGAA 481
DB 316 GGAATATCAAAATGATTAATCCAAAGTGTGGAAACAGCATGATGAACCTTTAAAGAA 375
QY 482 GCAAGGCACTAGGGGATCCAGATCATGATGATGATGATGATGATGATGATGATGAT 541
DB 376 GCAAGGCACTAGGGGATCCAGATCATGATGATGATGATGATGATGATGATGATGAT 434
QY 542 GTTTGTGTTTAATATCTCTCTTTAGAGAGATTTAGTTTGGCTCTACGCTGT 601
DB 436 GTTTGTGTTTAATATCTCTCTTTAGAGAGATTTAGTTTGGCTCTACGCTGT 495
QY 602 ATTTGTGATATCCATCTGAGGAGGCTTTCTTTTATATCTCTGCTCTCTGTG 661
DB 496 ATTTGTGATATCCATCTGAGGAGGCTTTCTTTTATATCTCTGCTCTCTGTG 554
QY 662 TCAGCATCCAGAGAGCTTTCCCTGTCTGTGTGAAGAGAGAGAGAGAGAGAGAGAG 721
DB 556 TCAGCATCCAGAGAGCTTTCCCTGTCTGTGTGAAGAGAGAGAGAGAGAGAGAGAG 615
QY 722 AGTTCTATCTTGAGCTTCAATGAGTATCTGTGTGTGTGTGTGTGTGTGTGTGTGT 781

Db 616 AGGCTATCTTGGCTTCATTTGAGTATCTGCTGCTGGATATGTCATCAATGGG 675
 Qy 782 GTAGCTGGCCAAAGACTATGAGCGCTGCTTTCTGAAAAGGCAATTCAGCCAGCTGATG 841
 Db 676 GTATCTGGCCAAAGACTATGAGCGCTGCTTTCTGAAAAGGCAATTCAGCCAGCTGATG 735
 Qy 842 ATCTCTCCCTCTGGAGTCTTCTGATGCTTGGCCAGCCCAATTTTGGCAACCAAGCA 901
 Db 736 ATCTCTCCCTCTGGAGTCTTCTGATGCTTGGCCAGCCCAATTTTGGCAACCAAGCA 795
 Qy 902 AACACCAACAATATGCTGCTGCTGCTTATTCCAATATGATGAAACCAACCTGTG 961
 Db 796 AACACCAACAATATGCTGCTGCTGCTTATTCCAATATGATGAAACCAACCTGTG 855
 Qy 962 AACACGAGCTTCTTCACTGCTCTCCCAATGCAACCACTACGTAATGCCCCCTAAA 1021
 Db 856 AACACGAGCTTCTTCACTGCTCTCCCAATGCAACCACTACGTAATGCCCCCTAAA 911
 Qy 1022 TAGTAAAGAAAAGGGGTATGCTATCTCAATGAGAAAACCTTGGCAAAAACCTT 1081
 Db 912 ---TAAAGAAAAGGGGTATGCTATCTCAATGAGAAAACCTTGGCAAAAACCTT 968
 Qy 1082 CTTAAGAAAGTCTTTATTTATGCTACAAATGATTTCTAGTCTTAAACCTGTGTTGAG 1141
 Db 969 CTTAAGAAAGTCTTTATTTATGCTACAAATGATTTCTAGTCTTAAACCTGTGTTGAG 1028
 Qy 1142 ATTTGTTTTAGTGGTGGCTGTAATGAGCTGTATCTCCCTTCACTGCTCTTCTTACA 1201
 Db 1029 ATTTGTTTTAGTGGTGGCTGTAATGAGCTGTATCTCCCTTCACTGCTCTTCTTACA 1088
 Qy 1202 TTACCACTACTACATGCTGCAAAAGGAGATCAGAGATCGAAAGAAATGATTTGCA 1261
 Db 1089 TTACCACTACTACATGCTGCAAAAGGAGATCAGAGATCGAAAGAAATGATTTGCA 1148
 Qy 1262 CTCCTCTAAGTAAAGTATGTTCTGTTCAATTAATTTTCTTAAATAATGTC 1317
 Db 1149 CTCCTCTAAGTAAAGTATGTTCTGTTCAATTAATTTTCTTAAATAATGTC 1204

RESULT 3

US-09-702-705-1676
 ; Sequence 1676, Application US/09702705
 ; Patent No. 6504010
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, Tonglong
 ; APPLICANT: Bangur, Chaitanya S.
 ; APPLICANT: Lodes, Michael A.
 ; APPLICANT: Fanger, Gary
 ; APPLICANT: Vedavick, Tom
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Retter, Marc
 ; APPLICANT: Mannion, Jane
 ; APPLICANT: Fan, Liqun
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE OF INVENTION: DIAGNOSIS OF LUNG CANCER
 ; FILE REFERENCE: 210121.478C14
 ; CURRENT APPLICATION NUMBER: US/09/702,705
 ; NUMBER OF SEQ ID NOS: 1833
 ; SOFTWARE: FaSTSeq for Windows Version 3.0
 ; SEQ ID NO 1676
 ; LENGTH: 1336
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-702-705-1676

Query Match 6.2%; Score 81.2; DB 4; Length 1336;
 Best Local Similarity 58.3%; Pred. No. 2,1e-13;
 Matches 190; Conservative 0; Mismatches 118; Indels 18; Gaps 2;
 Qy 590 TCTACTGCTGTTATGTTGATGATCCCATCTGAGGAGTGGCTTCTTATTAATCTGAGC 649

Db 471 TCTATTTCAATCTACGAGGCTTTCCTTCTGAGGAGGCTTGATTTATCATTTGACA 530
 Qy 650 TCTCTCTGCTGCTGACATCCAAAGAGCT---TTCCGTTGCTGTTGAAAGGACGCTG 706
 Db 531 TCTCTCTGCTGCTGACAGAAATTCAGCCATATTTCTTAATGCTGCTGCTGACAGTTG 590
 Qy 707 GGAATGACATGTTAGTTCTATCTTGGCTTCAATGAGATGATTTGCTGCTGAGTAT 766
 Db 591 GGCCTTAACATCTGACATGATGATCTGCTGACATGAGTCAATCTTCAATCAAGAT 650
 Qy 767 ATGTGAT-----CAATGGGATGCTGCGCAAGACTACGAGCGTCTT 811
 Db 651 CTAAGTATTCACCAACCATATGCTTACCCGACTATATATCTTACGCGTGGATGGAAC 710
 Qy 812 TCTGAAAAGGCAATTTGAGCCAGCTGATGATTTCTCTCTTGGAGTTCTTGATGCT 871
 Db 711 CCTGGAATGGCGAATTTCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCA 770
 Qy 872 TGTGCAAGCCCATTTTGGCAACGA 897
 Db 771 TGGCATCTTCCACTTGGCTGCCA 796

RESULT 4

US-09-736-457-1676
 ; Sequence 1676, Application US/09736457
 ; Patent No. 6509448
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, Tonglong
 ; APPLICANT: Bangur, Chaitanya S.
 ; APPLICANT: Lodes, Michael A.
 ; APPLICANT: Fanger, Gary
 ; APPLICANT: Vedavick, Tom
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Retter, Marc
 ; APPLICANT: Mannion, Jane
 ; APPLICANT: Fan, Liqun
 ; APPLICANT: Wang, Aljun
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE OF INVENTION: DIAGNOSIS OF LUNG CANCER
 ; FILE REFERENCE: 210121.478C15
 ; CURRENT APPLICATION NUMBER: US/09/736,457
 ; CURRENT FILING DATE: 2000-12-13
 ; NUMBER OF SEQ ID NOS: 1864
 ; SOFTWARE: FaSTSeq for Windows Version 3.0
 ; SEQ ID NO 1676
 ; LENGTH: 1336
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-736-457-1676

Query Match 6.2%; Score 81.2; DB 4; Length 1336;
 Best Local Similarity 58.3%; Pred. No. 2,1e-13;
 Matches 190; Conservative 0; Mismatches 118; Indels 18; Gaps 2;
 Qy 590 TCTACTGCTGTTATGTTGATGATCCCATCTGAGGAGTGGCTTCTTATTAATCTGAGC 649
 Db 471 TCTATTTCAATCTACGAGGCTTTCCTTCTGAGGAGGCTTGATTTATCATTTGACA 530
 Qy 650 TCTCTCTGCTGCTGACATCCAAAGAGCT---TTCCGTTGCTGTTGAAAGGACGCTG 706
 Db 531 TCTCTCTGCTGCTGACAGAAATTCAGCCATATTTCTTAATGCTGCTGCTGACAGTTG 590
 Qy 707 GGAATGACATGTTAGTTCTATCTTGGCTTCAATGAGATGATTTGCTGCTGAGTAT 766
 Db 591 GGCCTTAACATCTGACATGATGATCTGCTGACATGAGTCAATCTTCAATCAAGAT 650
 Qy 767 ATGTGAT-----CAATGGGATGCTGCGCAAGACTACGAGCGTCTT 811
 Db 651 CTAAGTATTCACCAACCATATGCTTACCCGACTATATATCTTACGCGTGGATGGAAC 710
 Qy 812 TCTGAAAAGGCAATTTGAGCCAGCTGATGATTTCTCTCTTGGAGTTCTTGATGCT 871

Db 711 CCGATGATGGCGATTCTGCGCTGCTGCTCTTCTGCTCTGAGTTGGCATGCA 770
QY 872 TGGCCACAGCCATTTTGGCCACCA 897
Db 771 TGGCATCTTCCCATTTGGCTGCA 796

RESULT 5

US-09-149-476-168
Sequence 168, Application US/09149476
Patent No. 6420526
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 186 Human Secreted proteins
FILE REFERENCE: P2002P1
CURRENT APPLICATION NUMBER: US/09/149,476
CURRENT FILING DATE: 1998-09-08
EARLIER APPLICATION NUMBER: PCT/US98/04493
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,334
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,336
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,163
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/047,600
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,615
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,597
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,502
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,633
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,583
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,617
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,618
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,503
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,592
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,581
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,584
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,500
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,587
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,492
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,598
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,613
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,582
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,596
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,612
EARLIER FILING DATE: 1997-05-23

EARLIER APPLICATION NUMBER: 60/047,632
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,601
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,580
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,568
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EARLIER APPLICATION NUMBER: 60/043,315
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,877
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,889
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,893
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,630
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,878
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,662
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,872
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,882
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,637
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,903
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,888
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,879
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,880
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,894
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,911
EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,874
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EARLIER APPLICATION NUMBER: 60/056,910
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,864
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,631
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,845

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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 892
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/057, 761
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/047, 595
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 599
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 588
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 585
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 586
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 590
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 594
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 589
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 593
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047, 614
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043, 578
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043, 576
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/047, 501
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043, 670
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/056, 632
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 664
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 876
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 881
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 909
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 875
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 862
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 887
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056, 908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048, 964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057, 650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056, 884
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/057, 669
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/049, 610
EARLIER FILING DATE: 1997-06-13
EARLIER APPLICATION NUMBER: 60/061, 060
EARLIER FILING DATE: 1997-10-02

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Query Match 5.7%; Score 74.8; DB 4; Length 945;
 Best Local Similarity 55.3%; Pred. No. 1.2e-11;
 Matches 167; Conservative 0; Mismatches 132; Indels 3; Gaps 1;

QY 474 AGAAGAACCAAGCAGCTAGGCGTATCCAGATCATGCTGGATTGATGACATTGGTT 533
 DB 164 AGCAGAAATTCAGAAATGATGAGCATATCCAGATCTGTGTGACATGATGATGAGCT 223
 QY 534 TTGGAATGTTTGTGTTAATATCTTCTTTAGAGAAATAGGTTTGGCTCTA 593

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DB 224 TGGGATCATTTTGGATCTGCTCTCTCTCCAAATTTTACCAG---TGACTTCTA 280
QY 594 CTGCTGTTATGTTGGATNACCAATTCCTGGGCGCTTCTTTTATATCTGCGCTTC 653
DB 281 CACTGTGAACTCTGCTTACCAATTCATAGSACCTTTTATATCTGCGCTTC 340
QY 654 TCTCTGTGACAGATCCAGAGCTTCCCTGTGTCTGTTGAAGGACGCTGGGAATGA 713
DB 341 TATCAATCCCAAGAGAAAGGTTTACCAAGCTTTTGGTGTGACAGAGCTGGTGGAA 400
QY 714 ACATTTGATTTCTATCTTGCGCTTCAATGAGATGCTGCTGCTGATATATGCA 773
DB 401 GCATTTGAGTGTCTGTCTGCGCTTGGTGGTTTATATCTGTCTGTCAACAGGCCA 460
QY 774 TC 775
DB 461 CC 462

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RESULT 6
 US-09-489-847-91
 Sequence 91, Application US/09489847
 Patent No. 6476195
 GENERAL INFORMATION:
 APPLICANT: Rosen et al
 TITLE OF INVENTION: 98 Human Secreted Proteins
 FILE REFERENCE: P2031PI
 CURRENT APPLICATION NUMBER: US/09/489, 847
 CURRENT FILING DATE: 2000-01-24
 EARLIER APPLICATION NUMBER: PCT/US99/17130
 EARLIER FILING DATE: 1999-07-29
 EARLIER APPLICATION NUMBER: 60/094, 657
 EARLIER FILING DATE: 1998-07-30
 EARLIER APPLICATION NUMBER: 60/095, 486
 EARLIER FILING DATE: 1998-08-05
 EARLIER APPLICATION NUMBER: 60/096, 319
 EARLIER FILING DATE: 1998-08-12
 EARLIER APPLICATION NUMBER: 60/095, 454
 EARLIER FILING DATE: 1998-08-06
 EARLIER APPLICATION NUMBER: 60/095, 455
 EARLIER FILING DATE: 1998-08-06
 NUMBER OF SEQ ID NOS: 376
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 91
 LENGTH: 1570
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-489-847-91

Query Match 5.7%; Score 74.8; DB 4; Length 1570;
 Best Local Similarity 55.3%; Pred. No. 1.5e-11;
 Matches 167; Conservative 0; Mismatches 132; Indels 3; Gaps 1;

QY 474 AGAAGAACCAAGCAGCTAGGCGTATCCAGATCATGCTGGATTGATGACATTGGTT 533
 DB 368 AGCAGAAATTCAGAAATGATGAGCATATCCAGATCTGTGTGACATGATGATGAGCT 427
 QY 534 TTGGAATGTTTGTGTTAATATCTTCTTTTGAAGAAATAGGTTTGGCTCTA 593
 DB 428 TGGGATCATTTTGGCATCTGCTCTCTCTCCAAATTTTACCAG---TGACTTCTA 484
 QY 594 CTGCTGTTATGTTGGATNACCAATTCCTGGGCGCTTCTTTTATATCTGCGCTTC 653
 DB 485 CACTGTGAACTCTGCTTACCAATTCATAGSACCTTTTATATCTGCGCTTC 544
 QY 654 TCTCTGTGACAGATCCAGAGCTTCCCTGTGTCTGTTGAAGGACGCTGGGAATGA 713
 DB 545 TATCAATCCCAAGAGAAAGGTTTACCAAGCTTTTGGTGTGACAGAGCTGGTGGAA 604
 QY 714 ACATTTGATTTCTATCTTGCGCTTCAATGAGATGCTGCTGCTGATATATGCA 773
 DB 605 GCATTTGAGTGTCTGTCTGCGCTTGGTGGTTTATATCTGTCTGTCAACAGGCCA 664

QY 774 TC 775
DB 665 CC 666

US-07-869-933-22
Sequence 22, Application US/07869933

Patent No. 5770396

GENERAL INFORMATION:

APPLICANT: KINET, Jean-Pierre

TITLE OF INVENTION: ISOLATION, CHARACTERIZATION, AND USE OF

TITLE OF INVENTION: THE HUMAN B SUBUNIT OF THE HIGH AFFINITY RECEPTOR FOR

TITLE OF INVENTION: IMONOGLOBULIN

NUMBER OF SEQUENCES: 34

CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley & Lardner

STREET: 1800 Diagonal Road, Suite 500

CITY: Alexandria

STATE: VA

COUNTRY: USA

ZIP: 22313-0299

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/869,933

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: BENT, Stephen A.

REGISTRATION NUMBER: 29,768

REFERENCE/DOCKET NUMBER: 40399/154 NIH

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 836-9300

TELEFAX: (703) 863-4109

TELEX: 899149

INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:

LENGTH: 2545 base pairs

TYPE: NUCLEIC ACID

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 46..786

NAME/KEY: sig_peptide

LOCATION: 46..54

FEATURE:

NAME/KEY: mat_peptide

LOCATION: 55..786

US-07-869-933-22

Query Match 5.4%; Score 71.2; DB 1; Length 2545;

Best Local Similarity 54.2%; Pred. No. 2.2e-10;

Matches 167; Conservative 0; Mismatches 138; Indels 3; Gaps 1;

QY 470 TTTAAAGAAAGAGCAAGGCACTGAGGCTGATCCAGATCATGTTGGATTGATGACATT 529

DB 214 TTGAAGAAAGAGTGGAGTTCCTGGGGGTAAACCAAGTTCGTGGTTGATATGCTT 273

QY 530 GGTGGGAATGTTGTTGTTATATATCTCTTTAGAGAGATTAGGTTTGGC 589

DB 274 TGTGTTGAACAGTGTCTGCTCCACACTCCAGCTTC--AGCTTGAAGAGAAAGTG 330

QY 590 TCTACTGCTGTTATGTTGATGATACCAATTCGGGTGGCCCTTTCTTTATATCTGCG 649

DB 331 CTTTATATATATAGAGAGGCTACCACTTCGGGTGCAAGTCTGTTGTTGTTGCTGGA 390

QY 650 TCTCTCTGTGTGACATCCAGAGGCTTCCGTTGTCTGTGTAAGGACGCTGGGA 709

DB 391 TTTTCTCAATATATGTCGAAAGAAAACACGCTGATCTGGTGAAGGACCTGGGA 450

QY 710 ATGAACATTTGATGTTCTATCTTGGCTTCATTTGAGATGATCTGCTGCTGATATG 769

DB 451 GCAACATTTGACAGCATGCTGCGAGGCTTGGGATGCGCATATATGATTCATCTG 510

QY 770 TGCATCAA 777

DB 511 AGCAACAA 518

US-09-103-663-22
Sequence 22, Application US/09103663D

Patent No. 6171803

GENERAL INFORMATION:

APPLICANT: Kinet et al.

TITLE OF INVENTION: Isolation, characterization, and use of the human beta

TITLE OF INVENTION: subunit of the high affinity receptor for

TITLE OF INVENTION: Immunoglobulin E.

FILE REFERENCE: 50490

CURRENT APPLICATION NUMBER: US/09/103,663D

CURRENT FILING DATE: 1998-06-23

EARLIER APPLICATION NUMBER: 07/869,933

EARLIER FILING DATE: 1992-04-16

NUMBER OF SEQ ID NOS: 35

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 22

LENGTH: 2545

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: sig_peptide

LOCATION: (46)..(54)

FEATURE:

NAME/KEY: CDS

LOCATION: (46)..(786)

US-09-103-663-22

Query Match 5.4%; Score 71.2; DB 3; Length 2545;

Best Local Similarity 54.2%; Pred. No. 2.2e-10;

Matches 167; Conservative 0; Mismatches 138; Indels 3; Gaps 1;

QY 470 TTTAAAGAAAGAGCAAGGCACTGAGGCTGATCCAGATCATGTTGGATTGATGACATT 529

DB 214 TTGAAGAAAGAGTGGAGTTCCTGGGGGTAAACCAAGTTCGTGGTTGATATGCTT 273

QY 530 GGTGGGAATGTTGTTGTTATATATCTCTTTAGAGAGATTAGGTTTGGC 589

DB 274 TGTGTTGAACAGTGTCTGCTCCACACTCCAGCTTC--AGCTTGAAGAGAAAGTG 330

QY 590 TCTACTGCTGTTATGTTGATGATACCAATTCGGGTGGCCCTTTCTTTATATCTGCG 649

DB 331 CTTTATATATATAGAGAGGCTACCACTTCGGGTGCAAGTCTGTTGTTGCTGGA 390

QY 650 TCTCTCTGTGTGACATCCAGAGGCTTCCGTTGTGTGTGTAAGGACGCTGGGA 709

DB 391 TTTTGTCAATTTATGTCGAAAGAAAACACATGATCTGTGTGAGAGGACGCTGGGA 450

QY 710 ATGAACATTTGTTCTATCTTGGCTTCATTTGAGATGATCTGCTGCTGATATG 769

DB 451 GCAACATTTGACAGCATGCTGCGAGGCTTGGGATGCGCATATATGATTCATCTG 510

QY 770 TGCATCAA 777

DB 511 AGCAACAA 518

RESULT 9

US-08-916-902A-2

Query Match	4.0%;	Score 53;	DB 2;	Length 1669;
Best Local Similarity	51.5%;	Pred. No. 2.9e-05;		
Matches 153;	Conservative 0;	Mismatches 135;	Indels 9;	Gaps 1.

QY	439	AAATCCAAAGTGTGGAAACGACGATTAATGA	CTTTAAAGAGAAGCAAGCACTAGGGGT	498
Db	302	ACATCTGTGGAAAGATTCGAAGAGAAATG	CTTGAAGGAGAACCCAAAGTCCTTGGGGT	361
QY	499	GATCCAGATCATAGTGTGGATTGATGCA	ATTGGCTTTTGGAAATGTGTTGTGTTAATATC	558
Db	362	TGTGCAATTTCTGACTGCCCTGAATGAGC	CTTAGCATGGAAATPACAAATGATGTGATATGC	421
QY	559	CTTCTCTTTTAGAAGATTAAGGTTTGGCT	CTACTCTGTATATGGTGGATAACCAAT	618
Db	422	ATCTAATACT-----TATGGAAGTAAC	CCCTATTCCGTTGATATCGGGTACACAAAT	472
QY	619	CTGGGGTGGCTTTCTTTATTAATCTCTG	CTCTCTCTGTGTGACATCCAGAGACT	678
Db	473	TTGGGGGTTCAGTAATGTTTATTATTATTA	TCGAAATCTTGTCAATATGGACAGGAATTAAGAC	532
QY	679	TTCCGCTGTGTCGTGGAAGGACAGCCTG	GGAATGAACATTGTTAGTTCTATCTTTGGC	735
Db	533	TACAAAGAGCCTGATCGAGGTAATCTAG	AATTAATTCACACAGCTCTGTACTGCG	589

RESULT	10
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Query Match	4.0%;	Score 53;	DB 2;	Length 1669;
Best Local Similarity	51.5%;	Pred. No. 2.9e-05;		
Matches 153;	Conservative	0;	Mismatches 135;	Indels 9;
			Gaps	1.
Qy	439	AAATCCAGTGTGGGACACAGCAGTAATGAACCTTAAAGAAAGACAAAGCCTAGGGGT	498	
Db	302	ACATCTGTGAAAAGATTGCAGAGAAATCTTTAAGGGAGAACCCAAAGTCCTTGGGGT	361	
Qy	499	GATCCAGATCATGGTTGGATTGATGCAATTTGGTTTGGATTGTTTGTGTTTAATATC	558	
Db	362	TGTGCAGATTCTGACTGCCGTGAAGACCTTAGATGGAAATACATGATGTATATGC	421	
Qy	559	CTTCTCTTTAGAGAAATTAAGTTTGGCTCTACTGCTGTATATGGTGGATAACCAAT	618	
Db	422	ATCTAAATACT-----TATGGAGTAACCCATATTCCGTATATACGGGTACAAAT	472	
Qy	619	CTGGGGTGGCCTTCTTTATATATCTGTGCTCTCTCTGTGTGACATCCAAAGACCT	678	
Db	473	TTGGGGGTCAAGTATGTTTATTTATTCAGATCCTTGTCATATGCAGAGGAATTAGAAC	532	
Qy	679	TTCCCGTTGTCTGTGAAAAGCAGCCCTGGGAATGAATTTGTTAGTCTATCTTGGC	735	
Db	533	TACAAAAGGCTGGTCCGAGGTAGTCTAGGAATATAATACACCGCTCTGTACTGGC	589	

[illegible]

Db 423 TGAGACATCCGAGTGCCTCTGCTCTTACAGGCATCGCTATTCCTCTGTCAGTTTG 481

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RESULT 15
US-09-724-664-15
Sequence 15, Application US/09724864
Patent No. 6380362
GENERAL INFORMATION:
APPLICANT: Watson, James D
APPLICANT: Mulson, James G.
TITLE OF INVENTION: Polynucleotides, polypeptides expressed
TITLE OF INVENTION: by the polynucleotides and methods for their use.
FILE REFERENCE: 11000.105001
CURRENT APPLICATION NUMBER: US/09/724,864
CURRENT FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 72
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 15
LENGTH: 1308
TYPE: DNA
ORGANISM: Mouse
US-09-724-664-15

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Query Match	3.8%	Score 49.4	DB 4	Length 1308
Best Local Similarity	50.2%	Pred. No. 0.0027		
Matches 150	Conservative	0	Mismatches 146	Indels 3
			Gaps	1
Qy	471	TTAAAGAAGACAAAGC	ACTAGGGGTGATCCAGATCATGGTTGATATGACATTTG	530
Db	186	TAAAGCTGAGATCAAAAGT	GATGGGGCAATCAGATCATGTGCTGTGATGGTGTGA	245
Qy	531	GTTTGGAAATGTTTTTGT	GTCTTAATATCTCTCTCTTTAGAGAGATATTAGTTTTGCT	590
Db	246	GTCGGGAAATCAATTTGG	CATCTGTCTCCCTCCAATCTACATTTACCTCAAGTGT---T	302
Qy	591	CTACTGCTGTTATTGGT	ATACCATCTCGGGGGGCGCTTCTTTATTTATCTGTGCT	650
Db	303	CCATTCCTTTGAATCTG	AGCTACCATTTGTGAGAGCTTTGTTTTTGCCATCTCTGAAA	362
Qy	651	CTCTCTCTGTGTACAG	ATCCAAGAGCTTTCCTGTTGTCTGGTGAAGAAGCAAGCCTGGAA	710
Db	363	TTCTGTCTATTGTGCA	CAGAAAAAGATGACTTAAGCTTTTGTTTGTTCAGACAGCCTGAGCC	422
Qy	711	TGAACATTTAGTCTAT	CTTGGCGCTTCATTTGAGAGTATCTGTGCTGTGTGATATAG	769

Db 423 TGAGCATCCTGAGTGTCTCTCTGCTCTTACAGGCGATCCGCTATTCTCTCTGTCAGTTTG 481

Search completed: December 14, 2003, 00:17:29

Job time : 94.2771 secs

Result No.	Score	Query Match	Length	DB	ID	Description
1	1317	100.0	1317	10	US-09-981-353-81	Sequence 81, App1
2	1317	100.0	1318	15	US-10-158-646-77	Sequence 77, App1
3	1084.4	82.3	1251	9	US-09-739-254-17	Sequence 17, App1
4	1084.4	82.3	1251	9	US-09-904-615-17	Sequence 17, App1
5	1084.4	82.3	1251	13	US-10-055-098-17	Sequence 17, App1
6	1084.4	82.3	1231	15	US-10-055-988-17	Sequence 17, App1
7	1079	81.9	1292	9	US-09-939-254-61	Sequence 61, App1
8	1079	81.9	1292	9	US-09-904-615-61	Sequence 61, App1
9	1079	81.9	1292	13	US-10-055-098-61	Sequence 61, App1
10	1079	81.9	1292	15	US-10-055-988-61	Sequence 61, App1
11	389.6	29.6	441	9	US-09-925-299-727	Sequence 727, App1
12	389.6	29.6	441	11	US-09-925-299-727	Sequence 727, App1
13	303.6	23.1	351	11	US-09-803-719-454	Sequence 454, App1
14	232.6	22.2	342	11	US-09-803-719-658	Sequence 481, App1
15	288.6	21.9	363	11	US-09-803-719-481	Sequence 481, App1

16	92.6	7.0	125	9	US-09-563-817-780	Sequence 780, Appl
17	81.2	6.2	753	13	US-10-113-872-2003	Sequence 2003, Appl
18	81.2	6.2	753	15	US-10-017-754-2003	Sequence 51, Appl
19	81.2	6.2	1236	16	US-10-156-136-51	Sequence 51, Appl
20	81.2	6.2	1236	16	US-10-156-136-51	Sequence 1676, Appl
21	81.2	6.2	1336	10	US-09-736-457-1676	Sequence 1676, Appl
22	81.2	6.2	1336	10	US-09-802-941-1676	Sequence 1676, Appl
23	81.2	6.2	1336	10	US-09-849-626-1676	Sequence 1676, Appl
24	81.2	6.2	1336	13	US-10-113-872-1676	Sequence 1676, Appl
25	81.2	6.2	1336	15	US-10-017-754-1676	Sequence 1676, Appl
26	81.2	6.2	1374	9	US-09-925-297-305	Sequence 305, Appl
27	79.6	6.0	861	10	US-09-802-941-1877	Sequence 1877, Appl
28	79.6	6.0	861	10	US-09-849-626-1877	Sequence 1877, Appl
29	79.6	6.0	861	13	US-10-113-872-1877	Sequence 1877, Appl
30	79.6	6.0	861	15	US-10-017-754-1877	Sequence 1875, Appl
31	79.6	6.0	1155	10	US-09-802-941-1875	Sequence 1875, Appl
32	79.6	6.0	1155	10	US-09-849-626-1875	Sequence 1875, Appl
33	79.6	6.0	1155	13	US-10-113-872-1875	Sequence 1875, Appl
34	79.6	6.0	1155	15	US-10-017-754-1875	Sequence 1875, Appl
35	79.6	6.0	1353	10	US-09-802-941-1873	Sequence 1873, Appl
36	79.6	6.0	1353	13	US-09-849-626-1873	Sequence 1873, Appl
37	79.6	6.0	1353	10	US-10-113-872-1873	Sequence 1873, Appl
38	79.6	6.0	1353	15	US-10-017-754-1873	Sequence 1873, Appl
39	74.8	5.7	932	15	US-10-220-946-7	Sequence 7, Appl
40	74.8	5.7	945	11	US-09-809-391-168	Sequence 168, Appl
41	74.8	5.7	945	13	US-09-882-171-168	Sequence 168, Appl
42	74.8	5.7	1036	15	US-10-220-946-5	Sequence 5
43	74.8	5.7	1728	9	US-09-822-849A-23	Sequence 23, Appl
44	74.8	5.7	1743	9	US-09-925-302-314	Sequence 314, Appl
45	74.8	5.7	1866	13	US-10-247-671-106	Sequence 106, Appl

ALIGNMENTS

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RESULT 1
US-09-981-353-81
: Sequence 81, Application US/09981353
: Patent No. US20020160382A1
: GENERAL INFORMATION:
: APPLICANT: Laese, Amy W.
: APPLICANT: Jones, David A.
: TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
: FILE REFERENCE: PA-0038 US
: CURRENT APPLICATION NUMBER: US/09/981,353
: CURRENT FILING DATE: 2001-10-11
: NUMBER OF SEQ ID NOS: 194
: SOFTWARE: PERL Program
: SEQ ID NO 81
: LENGTH: 1317
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc feature
: OTHER INFORMATION: Incyte ID No. US20020160382A1 611082CB31
US-09-981-353-81

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Query Match	100.0%;	Score 1317;	DB 10;	Length 1317;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 1317; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0;

Qy	Dy
61	61
CAAACGTGGCGGTCTACCTGTGTGGGTTCTGTTCTTAATTTGAGGGATGAAGCAA	CAAACGTGGCGGTCTACCTGTGTGGGTTCTGTTCTTAATTTGAGGGATGAAGCAA
120	120
121	121
GTTCTTGAATCTATGTTGAGGCCAGTTGAAAAATGAGGAGAAATPAAACCATGAACGAAA	GTTCTTGAATCTATGTTGAGGCCAGTTGAAAAATGAGGAGAAATPAAACCATGAACGAAA
180	180
121	121
GTTCTTGAATCTATGTTGAGGCCAGTTGAAAAATGAGGAGAAATPAAACCATGAACGAAA	GTTCTTGAATCTATGTTGAGGCCAGTTGAAAAATGAGGAGAAATPAAACCATGAACGAAA
180	180

181 CAAGAAAGAAACAAACAGAGAGAAATGATATGATCATCAAGCCAC 240
181 CAGAAAGAAACAAACAGAGAGAAATGATATGATCATCAAGCCAC 240
241 AAGCATGCTGAAGTAAATGAACCAATACCAACCTTACCAAGAGCTTTATGC 300
241 AAGCATGCTGAAGTAAATGAACCAATACCAACCTTACCAAGAGCTTTATGC 300
301 TCCGTGATTTCAACAGGCTCTGGGTTCAATCAACTTGAAGAAACCAACTAGGCTCA 360
301 TCCGTGATTTCAACAGGCTCTGGGTTCAATCAACTTGAAGAAACCAACTAGGCTCA 360
361 GCGTGTCAAGCCCTCAAGCATCATCTCCGGGAACTTTGCTAGAGCATCAAGGCTCA 420
361 GCGTGTCAAGCCCTCAAGCATCATCTCCGGGAACTTTGCTAGAGCATCAAGGCTCA 420
421 AGGAAATATACAAATGATTAATCCAGTGTGGAAACGAGTAATGAACCTTTAAAGAA 480
421 AGGAAATATACAAATGATTAATCCAGTGTGGAAACGAGTAATGAACCTTTAAAGAA 480
481 AGCAAAAGCACTAGGGGTATCCAGATCATGTTGATGATGATGATGATGATGAT 540
481 AGCAAAAGCACTAGGGGTATCCAGATCATGTTGATGATGATGATGATGATGAT 540
541 TGTGTTGTATTAATATCTTCTCTTTTGAAGAAATGATGATGATGATGATGAT 600
541 TGTGTTGTATTAATATCTTCTCTTTTGAAGAAATGATGATGATGATGATGAT 600
601 TATTGTGATATCCATCTGAGGCTGCTTTCTTTTATATCTGCTCTCTCTCT 660
601 TATTGTGATATCCATCTGAGGCTGCTTTCTTTTATATCTGCTCTCTCTCTCT 660
661 GTAGAGATCAAGAGAGCTTCCGTTGTCTGAGTAAAGAGAGAGAGAGAGAGAG 720
661 GTAGAGATCAAGAGAGCTTCCGTTGTCTGAGTAAAGAGAGAGAGAGAGAGAG 720
721 TAGTTCATCTTGTGCTTCAATGAGTATGATGATGATGATGATGATGATGAT 780
721 TAGTTCATCTTGTGCTTCAATGAGTATGATGATGATGATGATGATGATGAT 780
781 GGTAGCTGAGCAAGATCTGAGGCTGCTTTCTTGAAGAAAGCACTTCAAGCAGCTGAT 840
781 GGTAGCTGAGCAAGATCTGAGGCTGCTTTCTTGAAGAAAGCACTTCAAGCAGCTGAT 840
841 GATCTTCTCCCTCTGAGAGTCTTCCAGTGTGGCAAGAGAGAGAGAGAGAGAG 900
841 GATCTTCTCCCTCTGAGAGTCTTCCAGTGTGGCAAGAGAGAGAGAGAGAGAG 900
901 AAGCATGCTGAAGTAAATGAACCAATACCAACCTTACCAAGAGCTTTATGC 960
901 AAGCATGCTGAAGTAAATGAACCAATACCAACCTTACCAAGAGCTTTATGC 960
961 GACACAGAGCTCTTCAAGCTCTCTCCAGATGCAACCACTACTAGCTAATGCTCTAA 1020
961 GACACAGAGCTCTTCAAGCTCTCTCCAGATGCAACCACTACTAGCTAATGCTCTAA 1020
1021 ATAGTAAAGAAAGAGAGAGTATGATGATGATGATGATGATGATGATGAT 1080
1021 ATAGTAAAGAAAGAGAGAGTATGATGATGATGATGATGATGATGATGAT 1080
1081 TCTTGAAGAGATGCTTTTATGCTATGATGATGATGATGATGATGATGATGAT 1140
1081 TCTTGAAGAGATGCTTTTATGCTATGATGATGATGATGATGATGATGATGAT 1140
1141 GATTTGTTTGAAGTGTGCTATGATGATGATGATGATGATGATGATGATGAT 1200
1141 GATTTGTTTGAAGTGTGCTATGATGATGATGATGATGATGATGATGATGAT 1200
1201 ATTACCACTATCAAGCTGAGCAAGAGTGAAGATGAGAGATGAGAGATGAGAGAT 1260
1201 ATTACCACTATCAAGCTGAGCAAGAGTGAAGATGAGAGATGAGAGATGAGAGAT 1260
1261 ACTCTCTTAAGTGAAGATGATGATGATGATGATGATGATGATGATGATGATGAT 1317

1261 ACTCTCTTAAGTGAAGATGATGATGATGATGATGATGATGATGATGATGATGAT 1317
RESULT 2
US-10-158-646-77
; Sequence 77, Application US/10158646
; Publication No. US20030073105A1
; GENERAL INFORMATION:
; APPLICANT: Laeak, Amy K.W.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0030-1 US
; CURRENT APPLICATION NUMBER: US/10/158,646
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: 60/295,239
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 77
; LENGTH: 1318
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030073105A1 417113.5
US-10-158-646-77
Query Match 100.0%; Score 1317; DB 15; Length 1318;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 AAGCAAGAAAGTAAATGATGATGATGATGATGATGATGATGATGATGATGAT 60
2 AAGCAAGAAAGTAAATGATGATGATGATGATGATGATGATGATGATGATGAT 61
61 CAAAGTGTGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 120
62 CAAAGTGTGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 121
121 GTTCTGATCTATGTTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 180
122 GTTCTGATCTATGTTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 181
181 CAAAGAAAGAAAGTAAATGATGATGATGATGATGATGATGATGATGATGAT 240
182 CAAAGAAAGAAAGTAAATGATGATGATGATGATGATGATGATGATGATGAT 241
241 AAGCATGCTGAAGTAAATGAACCAATACCAACCTTACCAAGAGCTTTATGC 300
242 AAGCATGCTGAAGTAAATGAACCAATACCAACCTTACCAAGAGCTTTATGC 301
301 TCCGTGATTTCAACAGGCTCTGGGTTCAATCAACTTGAAGAAACCAACTAGGCTCA 360
302 TCCGTGATTTCAACAGGCTCTGGGTTCAATCAACTTGAAGAAACCAACTAGGCTCA 361
361 GCGTGTCAAGCCCTCAAGCATCATCTCCGGGAACTTTGCTAGAGCATCAAGGCTCA 420
362 GCGTGTCAAGCCCTCAAGCATCATCTCCGGGAACTTTGCTAGAGCATCAAGGCTCA 421
421 AGGAAATATACAAATGATTAATCCAGTGTGGAAACGAGTAATGAACCTTTAAAGAA 480
422 AGGAAATATACAAATGATTAATCCAGTGTGGAAACGAGTAATGAACCTTTAAAGAA 481
481 AGCAAAAGCACTAGGGGTATCCAGATCATGTTGATGATGATGATGATGATGAT 540
482 AGCAAAAGCACTAGGGGTATCCAGATCATGTTGATGATGATGATGATGATGAT 541
541 TGTGTTGTATTAATATCTTCTCTTTTGAAGAAATGATGATGATGATGATGAT 600
542 TGTGTTGTATTAATATCTTCTCTTTTGAAGAAATGATGATGATGATGATGAT 601
601 TATTGTGATATCCATCTGAGGCTGCTTTCTTTTATATCTGCTCTCTCTCT 660

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Db 602 TATTGGATACCACTTGGGGTGGCTTTCTTTATATATCTGGCTCTCTGT 661
Qy 661 GTGAGATCCAGAGCTTTCCCTTGTCTGTGTAAGGCGAGCTGGGAATGAATGT 720
Db 662 GTGAGATCCAGAGCTTTCCCTTGTCTGTGTAAGGCGAGCTGGGAATGAATGT 721
Qy 721 TAGTTCATCTGGCTTCAATGAGTGAATTCGTCTGTGTAATGAGCAATG 780
Db 722 TAGTTCATCTGGCTTCAATGAGTGAATTCGTCTGTGTAATGAGCAATG 781
Qy 781 GTAGCTGGCCAGACTACTGGCCGCTTCTGAAAAGGCAATTCAGCCAGCTGAT 840
Db 782 GTAGCTGGCCAGACTACTGGCCGCTTCTGAAAAGGCAATTCAGCCAGCTGAT 841
Qy 841 GATCTTCTCCCTCTTGGAGTTCTTGTAAGCTTGCCACAGCCATTTGGCCACAGC 900
Db 842 GATCTTCTCCCTCTTGGAGTTCTTGTAAGCTTGCCACAGCCATTTGGCCACAGC 901
Qy 901 AAACACCAACCAATATGCTGCTGCTTATCCAAATATGATGAAAGCAACCTGT 960
Db 902 AAACACCAACCAATATGCTGCTGCTTATCCAAATATGATGAAAGCAACCTGT 961
Qy 961 GACACCAAGCTCTTCTTCACTCTCCAGATGCAACACTACTAGCTAATGCCCTAA 1020
Db 962 GACACCAAGCTCTTCTTCACTCTCCAGATGCAACACTACTAGCTAATGCCCTAA 1021
Qy 1021 ATGTGTAAGAAAAGGGGTATCATGCTTAATCTCATGAGAAAAGTACTGGCAAAACT 1080
Db 1022 ATGTGTAAGAAAAGGGGTATCATGCTTAATCTCATGAGAAAAGTACTGGCAAAACT 1081
Qy 1081 TCTTAAGAAGATGCTTATATGCTTCAATGATTTAGCTTAAACTGTGTTGA 1140
Db 1082 TCTTAAGAAGATGCTTATATGCTTCAATGATTTAGCTTAAACTGTGTTGA 1141
Qy 1141 GATTTGTTTAAAGTGTGCTATGATGAGCTGATCTCCCTCACTGCTCTTCTTAC 1200
Db 1142 GATTTGTTTAAAGTGTGCTATGATGAGCTGATCTCCCTCACTGCTCTTCTTAC 1201
Qy 1201 ATTAACCACTACATCTGGCAAAAGTGAAGATCAGAGGAGTGAAGAAATGATTCGA 1260
Db 1202 ATTAACCACTACATCTGGCAAAAGTGAAGATCAGAGGAGTGAAGAAATGATTCGA 1261
Qy 1261 ACTCTCTTAAGTGAAGATGTTCTGTCAATATCTTTTCTTAAATGAATGTC 1317
Db 1262 ACTCTCTTAAGTGAAGATGTTCTGTCAATATCTTTTCTTAAATGAATGTC 1318

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RESULT 3

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US-09-739-254-17
; Sequence 17, Application US/09739254
; Patent No. US20010021700A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 49 Human Secreted Proteins
; FILE REFERENCE: P2032P1
; CURRENT APPLICATION NUMBER: US/09/739, 254
; EARLIER FILING DATE: 2000-12-19
; EARLIER APPLICATION NUMBER: 09/511,554
; EARLIER FILING DATE: 2000-02-23
; EARLIER APPLICATION NUMBER: PCT/US99/19330
; EARLIER FILING DATE: 1999-08-24
; EARLIER APPLICATION NUMBER: 60/097,917
; EARLIER FILING DATE: 1998-08-25
; EARLIER APPLICATION NUMBER: 60/098,634
; EARLIER FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 17
; LENGTH: 1291
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

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; NAME/KEY: SITE
; LOCATION: (1279)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1286)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1290)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-739-254-17

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Query Match      82.3%; Score 1084.4; DB 9; Length 1291;
Best Local Similarity 97.8%; Pred. No. 3e-294;
Matches 111; Conservative 1; Mismatches 17; Indels 7; Gaps 1;

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Qy 182 AAGAAAGAAACAAACAGAGAGAAATGAAGAAAACATATGATGATCCAGCAACA 241
Db 75 AAGAGGAAACATAGAGTGCCCAAGAGACAAAGACATATGATGATCCAGCAACA 134
Qy 242 AGCCATGCTGAATGAATGAACCATACCAACCTTACCCACAGAGAGCTTTATGCT 301
Db 135 AGCCATGCTGAATGAATGAACCATACCAACCTTACCCACAGAGAGCTTTATGCT 194
Qy 302 CCGGATTTCAAGAGCTCGGGTTCAATCACTTGAAGAAACCAAGCTCAGGGGCTCAG 361
Db 195 CCGGATTTCAAGAGCTCGGGTTCAATCACTTGAAGAAACCAAGCTCAGGGGCTCAG 254
Qy 362 CGTGTACAGCCCTACGGCATCATCTCCGGGAATCTTTCTAGAGTCAACCGGCTCAA 421
Db 255 CGTGTACAGCCCTACGGCATCATCTCCGGGAATCTTTCTAGAGTCAACCGGCTCAA 314
Qy 422 GGAATATCAATATGAATTAATCAAGTGTGGAACAGCAGTAATGAACCTTAAAGAA 481
Db 315 GGAATATCAATATGAATTAATCAAGTGTGGAACAGCAGTAATGAACCTTAAAGAA 374
Qy 482 GCMAAGCACTAGAGGTGATCCAGATCATAGTGTGATGATGACATGTTGTAAT 541
Db 375 GCMAAGCACTAGAGGTGATCCAGATCATAGTGTGATGATGACATGTTGTAAT 434
Qy 542 GTTTGTTTAAATATCTCTCTTTTGAAGAGTATAGTATTTGCTTCTACTGCTGT 601
Db 435 GTTTGTTTAAATATCTCTCTTTTGAAGAGTATAGTATTTGCTTCTACTGCTGT 494
Qy 602 ATTGATGATATCCATCTGGGGTGGCTTCTTTATTAATCTCTGCTCTCTGTG 661
Db 495 ATTGATGATATCCATCTGGGGTGGCTTCTTTATTAATCTCTGCTCTCTGTG 554
Qy 662 TCAGCATCCAGAGCTTTCCGTTGTCTGTGTAAGGCGAGCTGGGAATGAACATTGTT 721
Db 555 TCAGCATCCAGAGCTTTCCGTTGTCTGTGTAAGGCGAGCTGGGAATGAACATTGTT 614
Qy 722 AGTTTATCTGGCTTCAATGAGTGAATTCGTCTGTGTAATGAGCAATGAGG 781
Db 615 AGTTTATCTGGCTTCAATGAGTGAATTCGTCTGTGTAATGAGCAATGAGG 674
Qy 782 GTAGCTGGCCAGACTACTGGCCGCTTCTGAAAAGGCAATTCAGCCAGCTGAT 841
Db 675 GTAGCTGGCCAGACTACTGGCCGCTTCTGAAAAGGCAATTCAGCCAGCTGAT 734
Qy 842 ATCTTCTCCCTCTTGGAGTTCTTGTAAGCTTGCCACAGCCATTTGGCCACAGCA 901
Db 735 ATCTTCTCCCTCTTGGAGTTCTTGTAAGCTTGCCACAGCCATTTGGCCACAGCA 794
Qy 902 AAACACCAACCAATATGCTGCTGCTTATCCAAATATGATGAAAGCAACCTGTG 961
Db 795 AAACACCAACCAATATGCTGCTGCTTATCCAAATATGATGAAAGCAACCTGTG 854
Qy 962 ACAACAGAGCTCTTCTTCAAGTCTCTCCAGATGCAACACTACTAGCTAATGCCCTTAA 1021
Db 855 ACAACAGAGCTCTTCTTCAAGTCTCTCCAGATGCAACACTACTAGCTAATGCCCTTAA 910

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Qy	1022	TAGTAAAAAGAAAAAGGGGTATCAGCTATCTCAGAGAAAAATATCTTGCAAAAATT	1081
Db	911	---TAAAGAAAAAGGGGTATCAGCTATCTCAGAGAAAAATCTTGCAAAAATT	967
Qy	1082	CTTAAAGAAAGATGCTTTTATTTGTCATACATGATTTTCTAGTCTTTAAAACTGTGTTGAG	1141
Db	968	CTTAAAGAAAGATCTTTTATTTGTCATACATGATTTTCTAGTCTTTAAAACTGTGTTGAG	1022
Qy	1142	ATTGTTTTAGTTGGTGTGCTAAATGATGAGGCTGTATCTCCCTCACTGCTCTTCTTACA	1201
Db	1028	ATTGTTTTAGTTGGTGTGCTAAATGATGAGGCTGTATCTCCCTCACTGCTCTTCTTACA	1081
Qy	1202	TTACCACTACTACATGCTGGCAAAAGGTGAAGGATCAGAGACTGAAAAATGATTTCTGCAA	1261
Db	1088	TTACCACTACTACATGCTGGCAAAAGGTGAAGGATCAGAGACTGAAAAATGATTTCTGCAA	1141
Qy	1262	CTCTCTTAAAGTTGAAGATGTTTCTGCTCATATTACTTTTTCCTTAATAAATATGTC	1317
Db	1148	CTCTCTTAAAGTTGAAGATGTTTCTGCTCATATTACTTTTTCCTTAATAAATATGTC	1203

RESULT 4

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US-09-904-615-17
Sequence US/09904615
Patent No. US2002026040A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 49 Human Secreted Pro
FILE REFERENCE: P20322p1
CURRENT FILING DATE: 2001-07-16
PRIORITY FILING DATE: 2000-02-23
PRIORITY FILING DATE: 1998-08-25
PRIORITY FILING DATE: 1998-08-25
PRIORITY FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 170
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 17
LENGTH: 1291
TYPE: DNA
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: SITE
LOCATION: (1279)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1286)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1290)
OTHER INFORMATION: n equals a,t,g, or c
US-09-904-615-17

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Query Match	82.3%	Score 1084.4	DB 9	Length 1291
Query Match	82.3%	Score 1084.4	DB 9	Length 1291

QY 182 AAGAAAGAAACAAACAGAAAGGAATGAAAAAGCATATATGTCATCCAAAGCCAAAC 241

Db 75 AAAGAGAAACCTAAGGCGCAAGAAAGAACAAAGCATATATGTCATCCAAAGCCAAAC 134

QY 242 AGCCATGCTGAAGTAAATGAAACCATACCCAAACCTTACCCACCAAGCAGCTTTATAGCT 301

Db 135 AGCCATGCTGAAGTAAATGAAACCATACCCAAACCTTACCCACCAAGCAGCTTTATAGGCT 194

QY 302 CCTGATTTCAACAGCCTCTGGGTTCAATCAACTTAGAAACCAAGCTCAGGGTGCTCAG 361

Db 195 CCTGATTTCAACAGCCTCTGGGTTCAATCAACTTAGAAACCAAGCTCAGGGTGCTCAG 254

QY 362 CGTGCTCAGCCTTACGGCATCAACATCTCGGGAAATCTTGTACGAGTCAACCGGGTCAA 421

Db	255	CGTGTGACGCCCTCAGGATCACATCTCCGGGAATCTTTGGTAGACGTCAACCGGGTCAA	314
QY	422	GGAAATATACAAATGATTAATCCAAAGTGTGGAAACAGACATATGAACTTTAAAGAAACA	481
Db	315	GGAAATATACAAATGATTAATCCAAAGTGTGGAAACAGACATATGAACTTTAAAGAAACA	374
QY	482	GCAAAAGGACATAGGGGGTATCCAGATCATGTGGATATGACACATGGTATTGGAAATT	541
Db	375	GCAAAAGGACATAGGGGGTATCCAGATCATGTGTGGATATGACACATGGTATTGGAAATT	434
QY	542	GTTTGTGTATATATCTCTCTTTTAAAGAAATATAGGTTTGGCTTACTGTCTGT	601
Db	435	GTTTGTGTATATATCTCTCTTTTAAAGAAATATAGGTTTGGCTTACTGTCTGT	494
QY	602	ATTGTGTGATACCCATCTGTGGGGTGGCTTTCTTTTATATCTGTGGCTCTCTCTGTG	661
Db	495	ATTGTGTGATACCCATCTGTGGGGTGGCTTTCTTTTATATCTGTGGCTCTCTCTGTG	554
QY	662	TCAGATTCAGAGAGCTTTCCCGTTGTCTGGTGAAGGACACCTGGGAATGAACTGT	721
Db	555	TCAGATTCAGAGAGCTTTCCCGTTGTCTGGTGAAGGACACCTGGGAATGAACTGT	614
QY	722	AGTTCTATCTTGGGCTTCATTGAGATGATTTCTGTGCTGTGTGATATGTGATCAATGG	781
Db	615	AGTTCTATCTTGGGCTTCATTGAGATGATTTCTGTGCTGTGTGATATGTGATCAATGG	674
QY	782	GTAGTGGCCAAAGACTACTGTGGGCGGTCTTTCTGAAAAGGCAATTTCAGCCACGCTGATG	841
Db	675	GTAGTGGCCAAAGACTACTGTGGGCGGTCTTTCTGAAAAGGCAATTTCAGCCACGCTGATG	734
QY	842	ATCTTTCCTCCCTTGAGATTTCTTGATGCTGTGCAACAGCCAAATTTGCCAACCAACA	901
Db	735	ATCTTTCCTCCCTTGAGATTTCTTGATGCTGTGCAACAGCCAAATTTGCCAACCAACA	794
QY	902	AACACCAACAACAAATATGTCTGTCTGTGTTATTCCAATATGTATGAAGAACAACCTGTG	961
Db	795	AACACCAACAACAAATATGTCTGTCTGTGTTATTCCAATATGTATGAAGAACAACCTGTG	854
QY	962	ACACCAAGGCTTCTTCAGCTCTCTCCAGATGACAACTACTCAGCTAATGCCCTTAA	1021
Db	855	ACACCAAGGCTTCTTCAGCTCTCTCCAGATGACAACTACTCAGCTAATGCCCTTAA	910
QY	1022	TAGTAAAAAGAAAAGGGGTATCACTCTAATCTCATGAGAAAACCTATTGCCAAAACCTT	1081
Db	911	---TAAAAAGAAAAGGGGTATCACTCTAATCTCATGAGAAAACCTATTGCCAAAACCTT	967
QY	1082	CTTAAGAAGATGTCTTTTATATGTCTACACAATATTTCTAGCTTTTAAAAACGTGTGTAG	1141
Db	968	CTTAAGAAGATGTCTTTTATATGTCTACACAATATTTCTAGCTTTTAAAAACGTGTGTAG	1021
QY	1142	ATTGTGTTTTAGTGTGTGTCTGTAAATGATGAGCTGTATCTCCCTTCACTGTCTCTTCA	1201
Db	1028	ATTGTGTTTTAGTGTGTGTGTCTGTAAATGATGAGCTGTATCTCCCTTCACTGTCTCTCA	1081
QY	1202	TTACCACTACTACATGCTGTGCAAAAGGTGAAGATCAAGAGACTGAAAAATGATTCTGCA	1261
Db	1088	TTACCACTACTACATGCTGTGCAAAAGGTGAAGATCAAGAGACTGAAAAATGATTCTGCA	1141
QY	1262	CTCTCTTAAATGTGAATGTTTCTGTCTAATTAATCTTTCTCTTAAATTAATGTG	1317
Db	1148	CTCTCTTAAATGTGAATGTTTCTGTCTAATTAATCTTTCTCTTAAATTAATGTG	1203

RESULT

US-10-055-098-17
Sequence 17, Application US/10055098
Publication No. US20030139954A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 49 Human Secreted Protein
FILE REFERENCE: PZ032P1
CURRENT APPLICATION NUMBER: US/10/055,098
CURRENT FILING DATE: 2002-01-22

QY	182	AGAAAGAAACAAAACAAAGAGGAATGAAAAAGCATATGATATGTCACCAAGCAACA	241
Db	75	AAAGGGAACATATGAGGTGCCAAGAAACAAAGCATATATATGTCACTCAAGCCAAACA	134
QY	242	AGCCATGCTGAAGTAATGAACCAATACCCAACCCCTTACCCCAAGCAGCTTTATGGCT	301
Db	135	AGCCATGCTGAAGTAATGAACCAATACCCAACCCCTTACCCCAAGCAGCTTTATGGCT	194
QY	302	CTTGATTTCAACAGCTCTGGGTTCAATCAACTTAGAAAACCAAGCTCAGGGTGTCAAG	361
Db	195	CCTGATTTCAACAGCTCTGGGTTCAATCAACTTAGAAAACCAAGCTCAGGGTGTCAAG	254
QY	362	CGTGTCAAGCCCTACGGCATCATCTCCGGGAATCTTTGCTAGAGAGTCAACCGGGTCA	421
Db	255	CGTGTCAAGCCCTACGGCATCATCTCCGGGAATCTTTGCTAGAGAGTCAACCGGGTCA	314
QY	422	GGAATATATACAATGATTAATCCAAAGTGTGGGACAGCATATGAATCTTAAAGAGAA	481
Db	315	GGAATATATACAATGATTAATCCAAAGTGTGGGACAGCATATGAATCTTAAAGAGAA	374
QY	482	GCAAAAGGACATGAGGGTGAATCCAAATCATGTTGGATTTGATGACATTGGTTTGGAAAT	541
Db	375	GCAAAAGGACATGAGGGTGAATCCAAATCATGTTGGATTTGATGACATTGGTTTGGAAAT	434
QY	542	GTTTGTGTTTAAATATCCCTCTCTTTTAGAGAAAGTATTAGTTTTGGCCTCTACGTGTT	601
Db	435	GTTTGTGTTTAAATATCCCTCTCTTTTAGAGAAAGTATTAGTTTTGGCCTCTACGTGTT	494
QY	602	ATTGGTGAATACCAATCTGGGGGAGCCCTTCTTTATATTATCTGAGCTCTCTCTGTGG	661
Db	495	ATTGGTGAATACCAATCTGGGGGAGCCCTTCTTTATATTATCTGAGCTCTCTCTGTGG	554
QY	662	TCAGATCCAAAGAGCTTCCCGTTGTCTGGTGAAGGACAGCCTGGGAATGAACATGTT	721
Db	555	TCAGATCCAAAGAGAGCTTCCCGTTGTCTGGTGAAGGACAGCCTGGGAATGAACATGTT	614
QY	722	AGTTCTATCTTGAGCCCTTCATTGGAATGATCTGCTGCTGAGTATGATCATCATGAGG	781
Db	615	AGTTCTATCTTGAGCCCTTCATTGGAATGATCTGCTGCTGAGTATGATCATCATGAGG	674
QY	782	GTAGTGGCCAAAGACTACTGGGCGGTGCTTTTGGAAAAAGCATTTCAAGCCAGCTGATG	841
Db	675	GTAGTGGCCAAAGACTACTGGGCGGTGCTTTTGGAAAAAGCATTTCAAGCCAGCTGATG	734

Query Match	82.3%	Score 1084.4	DB 15	Length 1291
Best Local Similarity	97.8%	Pred. No. 3e-294		
Matches 111; Conservative	1	Mismatches 17	Indels 7	Gaps 1

OY	188	AGAAAGAAACAAACGAGAGAAATGAAAGAAAGCAATTAAGATCATCAAGCCAA	244
Db	75	AAAGAGAAACATAGAGTGGCCAAAGAAACAAACATATGATGTATCCAAACCA	134
OY	242	AGCATGTGTAAGTAATGAAACATACCAACCTTACCACAAGACGTTTATGCGT	301
Db	135	AGCATGTGTAAGTAATGAAACATACCAACCTTACCACAAGACGTTTATGCGT	194
OY	302	CTGTGATTTCAACAGCCCTGTGGGTTCATCAACTTATGAAAACCAAGCTCAGGGTCTCAG	361
Db	195	CTGTGATTTCAACAGCCCTGTGGGTTCATCAACTTATGAAAACCAAGCTCAGGGTCTCAG	254
OY	362	CGTGTCAAGCCCTACAGGATCAATCTCCGGAAATCTTTGTACAGTCAACCGGGTCAA	421
Db	255	CGTGTCAAGCCCTACAGGATCAATCTCCGGAAATCTTTGTACAGTCAACCGGGTCAA	314
OY	422	GGAAATATACAAATGATTAATCCAAAGTGTGGAAACAGCATATGAACCTTTAAAGAA	481
Db	315	GGAAATATACAAATGATTAATCCAAAGTGTGGAAACAGCATATGAACCTTTAAAGAA	374
OY	482	GCAAGGACATAGGGGTGATCCAGATCATGTGGATATGATGCAATGGTTTGAAT	541
Db	375	GCAAGGACATAGGGGTGATCCAGATCATGTGGATATGATGCAATGGTTTGAAT	434
OY	542	GTTTGTGTTAATATCCTTCTCTTTAGAAAGATATAGGTTTGTGCTTACTGTCT	601
Db	435	GTTTGTGTTAATATCCTTCTCTTTAGAAAGATATAGGTTTGTGCTTACTGTCT	494
OY	602	ATTGATGATACCAATCTGGGGTGGCCCTTTCTTTATATCTGAGCTCTGCTGTG	661
Db	495	ATTGATGATACCAATCTGGGGTGGCCCTTTCTTTATATCTGAGCTCTGCTGTG	554
OY	662	TCAGATCCAAAGAGCTTTCGGTGTCTGTGTGAAAGGACGCTGGAAATGAACATGTT	721
Db	555	TCAGATCCAAAGAGCTTTCGGTGTCTGTGTGAAAGGACGCTGGAAATGAACATGTT	614
OY	722	AGTTCTATCTGGCCTTCAATGAGATGATTTCTGCTGTGTGTGAAATGTGATCAATGGG	781
Db	615	AGTTCTATCTGGCCTTCAATGAGATGATTTCTGCTGTGTGTGAAATGTGATCAATGGG	674
OY	782	GTAGCTGACCAAGACTAATGAGGCGTGTCTGTGAAAGGACATTTACGACGCTGATG	841
Db	675	GTAGCTGACCAAGACTAATGAGGCGTGTCTGTGAAAGGACATTTACGACGCTGATG	734
OY	842	ATCTTCTCCTCTTGGAGTCTTGTGTAGCTGTGTGCAAGCCCATTTTCCAAACCA	901
Db	735	ATCTTCTCCTCTTGGAGTCTTGTGTAGCTGTGTGCAAGCCCATTTTCCAAACCA	794
OY	902	AAACCAACAACCAATATGATCTGTCTGTGTATTCCAAAATATGATGAAGCAACCTGTG	961
Db	795	AAACCAACAACCAATATGATCTGTCTGTGTATTCCAAAATATGATGAAGCAACCTGTG	854
OY	962	ACACCAAGCTCTTCTTACGCTCTTCCAGATGCAACAATCTACGCTAATGCCCTTAA	1021
Db	855	ACACCAAGCTCTTCTTACGCTCTTCCAGATGCAACAATCTACGCTAATGCCCTTAA	910
OY	1022	TAGTAAAAAGAAAGGGGTATCATGCTTAATCTCATGAGAAAAAATACTTGCAAAACT	1081
Db	911	---TAAAAAGAAAGGGGTATCATGCTTAATCTCATGAGAAAAAATACTTGCAAAACT	967
OY	1082	CTTAAGAGATGTCTTTATGTCTACAAATGATTTCTAGCTCTTTAAAAAATGTGTGAG	1144
Db	968	CTTAAGAGATGTCTTTATGTCTACAAATGATTTCTAGCTCTTTAAAAAATGTGTGAG	1022
OY	1142	ATTGTGTTTATAGTGTGTGCTAATGATGCTGTATCTCCCTTCACTGTCTCTTCTACA	1201
Db	1028	ATTGTGTTTATAGTGTGTGCTAATGATGCTGTATCTCCCTTCACTGTCTCTTCTACA	1087
OY	1202	TTACACATACATACGCTGGCAAAAGTGAAGATACAGGACATGAAAAATGATCTGCA	1261
Db	1088	TTACACATACATACGCTGGCAAAAGTGAAGATACAGGACATGAAAAATGATCTGCA	1144

QY	DB	1262	CTCTCTTAAGTTGAAGATGTTCTGTCATTAATGATCTTTTCTCTTAATTAATGTC	1317
DB	1148	CTCTCTTAAGTTGAAGATGTTCTGTCATTAATGATCTTTTCTCTTAATTAATGTC	1203	
RESULT 7				
US-09-739-254-61				
Sequence 61, Application US/09739254				
Patent No. US20010021700A1				
GENERAL INFORMATION:				
APPLICANT: Rosen et al.				
TITLE OF INVENTION: 49 Human Secreted Proteins				
FILE REFERENCE: P2032P1				
CURRENT APPLICATION NUMBER: US/09/739,254				
CURRENT FILING DATE: 2000-12-19				
EARLIER APPLICATION NUMBER: 09/511,554				
EARLIER FILING DATE: 2000-02-23				
EARLIER APPLICATION NUMBER: PCT/US99/19330				
EARLIER FILING DATE: 1999-08-24				
EARLIER APPLICATION NUMBER: 60/097,917				
EARLIER FILING DATE: 1998-08-25				
EARLIER APPLICATION NUMBER: 60/098,634				
EARLIER FILING DATE: 1998-08-31				
NUMBER OF SEQ ID NOS: 170				
SOFTWARE: PatentIn Ver. 2.0				
SEQ ID NO 61				
LENGTH: 1292				
TYPE: DNA				
ORGANISM: Homo sapiens				
FEATURE:				
NAME/KEY: SITE				
LOCATION: (71)				
OTHER INFORMATION: n equals a,t,g, or c				
FEATURE:				
NAME/KEY: SITE				
LOCATION: (697)				
OTHER INFORMATION: n equals a,t,g, or c				
FEATURE:				
NAME/KEY: SITE				
LOCATION: (1280)				
OTHER INFORMATION: n equals a,t,g, or c				
FEATURE:				
NAME/KEY: SITE				
LOCATION: (1287)				
OTHER INFORMATION: n equals a,t,g, or c				
FEATURE:				
NAME/KEY: SITE				
LOCATION: (1291)				
OTHER INFORMATION: n equals a,t,g, or c				
US-09-739-254-61				
Query Match				
Best Local Similarity 81.9%; Score 1079; DB 9; Length 1292;				
Matches 1105; Conservative 4; Mismatches 20; Indels 7; Gaps 1				
QY	DB	182	AAGAAAGAAACAAACAGAGAAGATGAAAGAAAGCATTAATGATGTCTTCAAGCCACAA	241
		76	AAAGGAGAAACATAGAGGTGCCAAAGAAAGAAAGCATTAATGATGTCTTCAAGCCACAA	135
QY	DB	242	AGCCATGCTGAAGTAATGAAGAACCATACCCAAACCTTACCAAGCAGCTTAATGAGCT	301
		136	AGCCATGCTGAAGTAATGAAGAACCATACCCAAACCTTACCAAGCAGCTTAATGAGCT	195
QY	DB	302	CTGGATTTCAACAGCCTCTGGGTTCATCACTTAGAAAAACAAGCTCAGGGTCTCAG	361
		196	CTGGATTTCAACAGCCTCTGGGTTCATCACTTAGAAAAACAAGCTCAGGGTCTCAG	255
QY	DB	362	CTGTGTCAGCCCTTACGAGCATCATCTCCGGGAATCTTTGCTAGCAATCAACCGGGTCAA	421
		256	CTGTGTCAGCCCTTACGAGCATCATCTCCGGGAATCTTTGCTAGCAATCAACCGGGTCAA	315
QY	DB	422	GGAATATATCAATATATTAATTCGAAGTGTGGGAACAGCATTAATGACTTTTAAAGAAAGA	481

	PRIOR APPLICATION NUMBER: 60/098,634	
	PRIOR FILING DATE: 1998-08-31	
	NUMBER OF SEQ ID NOS: 170	
	SOFTWARE: PatentIn Ver. 2.0	
	SEQ ID NO 61	
	LENGTH: 1292	
	TYPE: DNA	
	ORGANISM: Homo sapiens	
	FEATURE:	
	NAME/KEY: SITE	
	LOCATION: (71)	
	OTHER INFORMATION: n equals a,t,g, or c	
	NAME/KEY: SITE	
	LOCATION: (697)	
	OTHER INFORMATION: n equals a,t,g, or c	
	NAME/KEY: SITE	
	LOCATION: (1280)	
	OTHER INFORMATION: n equals a,t,g, or c	
	NAME/KEY: SITE	
	LOCATION: (1287)	
	OTHER INFORMATION: n equals a,t,g, or c	
	NAME/KEY: SITE	
	LOCATION: (1291)	
	OTHER INFORMATION: n equals a,t,g, or c	
	US-09-904-615-61	
	Query Match	81.9%; Score 1079; DB 9; Length 1292;
	Best Local Similarity	97.3%; Pred. No. 1e-292;
	Matches 1105; Conservative 4; Mismatches 20; Indels 7; Gaps 1.	
Dc	182 AAGAAAGAACAAAACGAMAGAGATGAATAAAGAATATATGTCTCCAGGCCACA	241
Dc	76 AAAGAGAAACATGAGGTGCCAAAGAACAAAGCAATAGATGTCTTCAAGCCAACA	135
Dc	242 AGCATGCTGAAGTAATGAAACCATACCACCCCTTACCCAGCAGCTTTATGGCT	301
Dc	136 AGCATGCTGAAGTAATGAAACCATACCACCCCTTACCCAGCAGCTTTATGGCT	195
Dc	302 CCTGATTTCAACAGCCTCTGGGTTTCATCAACTTAGAAAAACAAGCTCAGGGTGCTCAG	361
Dc	196 CTTGATTTCAACAGCCTCTGGGTTTCATCAACTTAGAAAAACAAGCTCAGGGTGCTCAG	255
Dc	362 CTGCTCAGCCCTTACCGGCATCATCTCCGGGAATCTTTGCTAGCATCAACCGGGTCAA	421
Dc	256 CTGCTCAGCCCTTACCGGCATCATCTCCGGGAATCTTTGCTAGCATCAACCGGGTCAA	315
Dc	422 GGAAATTATCAAAAGATTAATCCAAAGTGTGGGACACAGATTAAGAACTTTAAAGAAAGA	481
Dc	316 GGAAATTATCAAAAGATTAATCCAAAGTGTGGGACACAGATTAAGAACTTTAAAGAAAGA	375
Dc	482 GCAAAGCACTAGGGGGTGATCAGATCATGTTGGATTGATGCACATTTGTTGGAATT	541
Dc	376 GCAAAGCACTAGGGGGTGATCAGATCATGTTGGATTGATGCACATTTGTTGGAATT	435
Dc	542 GTTTTGTGTTAATATCTCTCTTTTAAAGAAATTAAGTTTTGCTCTACTGCTGT	601
Dc	436 GTTTTGTGTTAATATCTCTCTTTTAAAGAAATTAAGTTTTGCTCTACTGCTGT	495
Dc	602 ATTGTGTGATACCATTTCTGGGGTGGGCTTTCTTTTATATCTGTGCTCTCTCTGTG	661
Dc	496 ATTGTGTGATACCATTTCTGGGGTGGGCTTTCTTTTATATCTGTGCTCTCTCTGTG	555
Dc	662 TCAGCATTCAGAGAGCTTTCCGTTGTCTGGTGAAGGACAGCTGGGAATGAACATTTG	721
Dc	556 TCAGCATTCAGAGAGCTTTCCGTTGTCTGGTGAAGGACAGCTGGGAATGAACATTTG	615
Dc	722 AGTTCTATCTTGGCTTCATTGAGATGATTCGTGCTGTGATATATGTGATCAATGGG	781
Dc	616 AGTTCTATCTTGGCTTCATTGAGATGATTCGTGCTGTGATATATGTGATCAATGGG	675
Dc	782 GTACTGCGCCAAAGCTACTGTGGGCGGTGCTTTCTGGAAGAAAGCATTTTCAAGCACGCTATG	841
Dc	676 GTACTGCGCCAAAGCTACTGTGGGCGGTGCTTTCTGGAAGAAAGCATTTTCAAGCACGCTATG	735

QY	842	ATCTTCCTCCCTGGAGTTCCTGCTACTCTGTGCGACGCCATTTTGCCAAACACAGA	901
Db	736	ATCTTCCTCCCTGGAGTTCCTGCTACTCTGTGCGACGCCATTTTGCCAAACACAGA	795
QY	902	AACGCCAACCAATATGTCTGTCTGTGTTATTCCAATATGTATGAAGAACAACCTGTG	961
Db	796	AACGCCAACCAATATGTCTGTCTGTGTTATTCCAATATGTATGAAGAACAACCTGTG	855
QY	962	ACACGAGGCTTCTTGAGCTCTCCCGAGATGCAACAATCTAGCTAATGCCCCCTAA	1022
Db	856	ACACGAGGCTTCTTGAGCTCTCCCGAGATGCAACAATCTAGCTAATGCCCCCTAA	911
QY	1022	TAGTAAAAAGAAAAAGGGGTATCAGTCTAATCTCATGGAAGAAAACTACTTGCAAAACTT	1081
Db	912	---TAAAAAGAAAAAGGGGTATCAGTCTAATCTCATGGAAGAAAACTACTTGCAAAACTT	968
QY	1082	CTTAAGAAAGATGCTTTTATATGTCTACAAATGATTTCTAGTCTTTAAAAAATCTGTGTTAG	1144
Db	969	CTTAAGAAAGATGCTTTTATATGTCTACAAATGATTTCTAGTCTTTAAAAAATCTGTGTTAG	1022
QY	1142	ATTGATTTTATAGTTGGTGCCTAATGATGAGCGCTAATCTCCCTTCACTGCTCTTCTTACA	1201
Db	1029	ATTGATTTTATAGTTGGTGCCTAATGATGAGCGCTAATCTCCCTTCACTGCTCTTCTTACA	1082
QY	1202	TTACCACTACTACATGCTGCGCAAGGTGAAGATCAGAGGACTGAAAAATGATTTCTGCA	1267
Db	1089	TTACCACTACTACATGCTGCGCAAGGTGAAGATCAGAGGACTGAAAAATGATTTCTGCA	1146
QY	1262	CTCTCTTTAAAGTTGAAGATGTTTCTGCTCAATTTACTTTTCTTAAATAAATGTC	1317
Db	1149	CTCTCTTTAAAGTTGAAGATGTTTCTGCTCAATTTACTTTTCTTAAATAAATGTC	1204

Db 1029 ATTGTTTATGAGTTGTCGTATATGATGAGCTGATCTCCCTTCACCTCTTCTTCTACA 1088
Qy 1202 TTACCACTACTACATGCTGGCAAGGTAAGATCAGAGACGTAAGAAATGATTCGCA 1261
Db 1089 TTACCACTACTACATGCTGGCAAGGTAAGATCAGAGACGTAAGAAATGATTCGCA 1148
Qy 1262 CTCTCTTAAAGTTAGAAATGTTTCTGTCATATTAATCTTTTCCCTTAATAATGTC 1317
Db 1149 CTCTCTTAAAGTTAGAAATGTTTCTGTCATATTAATCTTTTCCCTTAATAATGTC 1204

RESULT 10

US-10-054-988-61
; Sequence 61, Application US/10054988
; Publication No. US20030087341A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 49 Human Secreted Proteins
; FILE REFERENCE: P2032P1
; CURRENT APPLICATION NUMBER: US/10/054,988
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/904,615
; PRIOR FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/511,554
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/097,917
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 60/098,634
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 61
; LENGTH: 1292
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (71)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (697)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1280)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1287)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1291)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-054-988-61

Query Match 81.9%; Score 1079; DB 15; Length 1292;
Best Local Similarity 97.3%; Pred. No. 1e-292;
Matches 1105; Conservative 4; Mismatches 20; Indels 7; Gaps 1;

Qy 182 AAGAAAGAAACAAACAGAGAGAGAAATGAAAAAGACATATGATGTCATCCAGCCACA 241
Db 76 AAGAGAGAAACATAGAGTCCCAAGAAACAAAGACATATGATGTCATCCAGCCACA 135
Qy 242 AGCCATGCTGAAGTAATGAATCAATCCCAACCCCTTACCCACCAAGAGCTTTATGGCT 301
Db 136 AGCCATGCTGAAGTAATGAATCAATCCCAACCCCTTACCCACCAAGAGCTTTATGGCT 195
Qy 302 CCTGATTTCAACAGCCTCTGGGTTCAATCACTTGAAGAAACCAAGCTCAGGGTGTGAG 361
Db 196 CCTGATTTCAACAGCCTCTGGGTTCAATCACTTGAAGAAACCAAGCTCAGGGTGTGAG 255
Qy 362 CCGTCTACGCTTACGCGATCACAATCTCCGGGAATCTTTGCTAGACGTCAACCGGGTCAA 421
Db 256 CCGTCTACGCTTACGCGATCACAATCTCCGGGAATCTTTGCTAGACGTCAACCGGGTCAA 315

Qy 422 GGAATATATCAATATGAATCAATCCAGTGGGAGACAGATATGAATCTTAAAGAGAA 481
Db 316 GGAATATATCAATATGAATCAATCCAGTGGGAGACAGATATGAATCTTAAAGAGAA 375
Qy 482 GCAAGGCACTAGGGGTGATCCAGATCATGTTGATGATGACATTTGTTGGAAT 541
Db 376 GCAAGGCACTAGGGGTGATCCAGATCATGTTGATGATGACATTTGTTGGAAT 435
Qy 542 GTTTGTGTTTAAATATCTTCTCTTTTAAAGAAATTAAGTTTCCCTTACTGCTGT 601
Db 436 GTTTGTGTTTAAATATCTTCTCTTTTAAAGAAATTAAGTTTCCCTTACTGCTGT 495
Qy 602 ATTGATGATATCCCATTTCTGGGGTGAGCTTTCTTTATATCTGAGCTCTCTGAG 661
Db 496 ATTGATGATATCCCATTTCTGGGGTGAGCTTTCTTTATATCTGAGCTCTCTGAG 555
Qy 662 TCAGATCCCAAGAGCTTCCGTTGTCGTGTAAGAGAGCTGGAATGAATTTGTT 721
Db 556 TCAGATCCCAAGAGCTTCCGTTGTCGTGTAAGAGAGCTGGAATGAATTTGTT 615
Qy 722 AGTTCTATCTTGCCCTTCAATGAGATTTCTGCTGCTGATGATGATCAATGAG 781
Db 616 AGTTCTATCTTGCCCTTCAATGAGATTTCTGCTGCTGATGATGATCAATGAG 675
Qy 782 GTAGCTGGCAGAGACTGAGGCGCTTCTGGAAGAGCAATTCACGACGCTGATG 841
Db 676 GTAGCTGGCAGAGACTGAGGCGCTTCTGGAAGAGCAATTCACGACGCTGATG 735
Qy 842 ATCTTCTCCCTCTGAGATTTCTGAGCTTGTGACAGACCCATTTTCCACCAAGA 901
Db 736 ATCTTCTCCCTCTGAGATTTCTGAGCTTGTGACAGACCCATTTTCCACCAAGA 795
Qy 902 AACACCAACAACAATATGCTGCTGCTGTTATCCAAATATGATGAAGCAACCTGTG 961
Db 796 AACACCAACAACAATATGCTGCTGCTGTTATCCAAATATGATGAAGCAACCTGTG 855
Qy 962 AACACCAAGCTCTTCCAGCTCTCCAGATGCAACAATCTACGATATCCCTTAA 1021
Db 856 AACACCAAGCTCTTCCAGCTCTCCAGATGCAACAATCTACGATATCCCTTAA 911
Qy 1022 TAGTAAAGAAAGAGGATATGATCTATCTCATGAGAAAGAACTTGTGCAAAAATT 1081
Db 912 ---TAAAGAAAGAGGATATGATCTATCTCATGAGAAAGAACTTGTGCAAAAATT 968
Qy 1082 CTTAAGAGATGCTTTTATGCTTACAAATGATTTCTAGCTTTTAAATCTGTGTTGAG 1141
Db 969 CTTAAGAGATGCTTTTATGCTTACAAATGATTTCTAGCTTTTAAATCTGTGTTGAG 1028
Qy 1142 ATTTGTTTATGTTGTCGCTTAATGATGCTGATCTCCCTTCACTGCTCTTCTTACA 1201
Db 1029 ATTTGTTTATGTTGTCGCTTAATGATGCTGATCTCCCTTCACTGCTCTTCTTACA 1088
Qy 1202 TTACCACTACTACATGCTGGCAAGGTAAGATCAGAGACGTAAGAAATGATTCGCA 1261
Db 1089 TTACCACTACTACATGCTGGCAAGGTAAGATCAGAGACGTAAGAAATGATTCGCA 1148
Qy 1262 CTCTCTTAAAGTTAGAAATGTTTCTGTCATATTAATCTTTTCCCTTAATAATGTC 1317
Db 1149 CTCTCTTAAAGTTAGAAATGTTTCTGTCATATTAATCTTTTCCCTTAATAATGTC 1204

RESULT 11

US-09-925-299-727
; Sequence 727, Application US/09925299
; Patent No. US20020055627A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08

PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1556
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 727
LENGTH: 441
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (321)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (405)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (394)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (422)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (433)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (438)
OTHER INFORMATION: n equals a,t,g, or c
US-09-925-299-727

Query Match 29.6%; Score 389.6; DB 9; Length 441;
Best Local Similarity 96.6%; Pred. No. 5.6e-99;
Matches 427; Conservative 0; Mismatches 10; Indels 5; Gaps 3;

QY 113 GAAGACAAGTTCTTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 172
DB 2 GAAGACAAGTTCTTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 61
QY 173 GAAGACAAGTTCTTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 232
DB 62 GAAGACAAGTTCTTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 121
QY 233 AAGCCAAGCAAGCATGCTGAATGAATGAATGAATGAATGAATGAATGAATGAAT 292
DB 122 AAGCCAAGCAAGCATGCTGAATGAATGAATGAATGAATGAATGAATGAATGAAT 181
QY 293 TTTATGCTCTGATTTCAACAGCTCTGAGTTCAATCACTTAGAAAACCAAGCTCAG 352
DB 182 TTTATGCTCTGATTTCAACAGCTCTGAGTTCAATCACTTAGAAAACCAAGCTCAG 241
QY 353 GGTGCTCAGGCTGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAG 412
DB 242 GGTGCTCAGGCTGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAG 301
QY 413 CCGGGTCAAGGAATATCAATATCAATATCAATATCAATATCAATATCAATATCAAT 472
DB 302 CCGGGTCAAGGAATATCAATATCAATATCAATATCAATATCAATATCAATATCAAT 361
QY 473 AAA-GAAGAGAAGCAAGCACTA-GGGGTGATCCAGTCACTGTTGATGATGACATT 529
DB 362 AAAAGAAGAAGCAAGCACTA-GGGGTGATCCAGTCACTGTTGATGATGATGATG 419
QY 530 GGTGGAATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 551
DB 420 TGTGTTGAATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 441

RESULT 12
US-09-925-299-727
Sequence 727, Application US/09925299
Publication No. US20030040617A9
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies

FILE REFERENCE: PA102
CURRENT APPLICATION NUMBER: US/09/925,299
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05883
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1556
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 727
LENGTH: 441
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (321)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (394)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (405)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (422)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (433)
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NAME/KEY: misc_feature
LOCATION: (438)
OTHER INFORMATION: n equals a,t,g, or c
US-09-925-299-727

Query Match 29.6%; Score 389.6; DB 11; Length 441;
Best Local Similarity 96.6%; Pred. No. 5.6e-99;
Matches 427; Conservative 0; Mismatches 10; Indels 5; Gaps 3;

QY 113 GAAGACAAGTTCTTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 172
DB 2 GAAGACAAGTTCTTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 61
QY 173 GAAGACAAGTTCTTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 232
DB 62 GAAGACAAGTTCTTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 121
QY 233 AAGCCAAGCAAGCATGCTGAATGAATGAATGAATGAATGAATGAATGAATGAAT 292
DB 122 AAGCCAAGCAAGCATGCTGAATGAATGAATGAATGAATGAATGAATGAATGAAT 181
QY 293 TTTATGCTCTGATTTCAACAGCTCTGAGTTCAATCACTTAGAAAACCAAGCTCAG 352
DB 182 TTTATGCTCTGATTTCAACAGCTCTGAGTTCAATCACTTAGAAAACCAAGCTCAG 241
QY 353 GGTGCTCAGGCTGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAG 412
DB 242 GGTGCTCAGGCTGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAG 301
QY 413 CCGGGTCAAGGAATATCAATATCAATATCAATATCAATATCAATATCAATATCAAT 472
DB 302 CCGGGTCAAGGAATATCAATATCAATATCAATATCAATATCAATATCAATATCAAT 361
QY 473 AAA-GAAGAGAAGCAAGCACTA-GGGGTGATCCAGTCACTGTTGATGATGACATT 529
DB 362 AAAAGAAGAAGCAAGCACTA-GGGGTGATCCAGTCACTGTTGATGATGATGATG 419
QY 530 GGTGGAATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 551
DB 420 TGTGTTGAATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 441

RESULT 13
US-09-803-719-494


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/ GENERAL INFORMATION:
/ APPLICANT: Williams, Lewis T.
/ APPLICANT: Escobedo, Jaime
/ APPLICANT: Imrie, Michael A.
/ APPLICANT: Garcia, Pablo Dominguez
/ APPLICANT: Sudduth-Klinger, Julie
/ APPLICANT: Reinhard, Christoph
/ APPLICANT: Giese, Klaus
/ APPLICANT: Randazzo, Filippo
/ APPLICANT: Kennedy, Giulia C.
/ APPLICANT: Pot, David
/ APPLICANT: Kassam, Altaf
/ APPLICANT: Lamson, George
/ APPLICANT: Drmanac, Radoje
/ APPLICANT: Ctkvenjakov, Radomir
/ APPLICANT: Dickson, Mark
/ APPLICANT: Drmanac, Snezana
/ APPLICANT: Labat, Ivan
/ APPLICANT: Leshkowitz, Dena
/ APPLICANT: Kita, David
/ APPLICANT: Garcia, Veronica
/ APPLICANT: Jones, Lee William
/ APPLICANT: Stache-Crain, Birgit
/ TITLE OF INVENTION: Human Genes and Gene Products
/ FILE REFERENCE: 1624,002
/ CURRENT APPLICATION NUMBER: US/09/803,719
/ PRIOR FILING DATE: 2001-03-09
/ PRIOR APPLICATION NUMBER: 60/188,609
/ NUMBER OF SEQ ID NOS: 2396
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 481
/ LENGTH: 383
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (1)..(383)
/ OTHER INFORMATION: n = A,T,C or G
US-09-803-719-481

Query Match      21.9%; Score 288.6; DB 11; Length 383;
Best Local Similarity 90.1%; Pred. No. 1,4e-70;
Matches 309; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

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DB      41 TGGAGCAGAGAAAGAAATCATAGAGTGCAGAAAGAACTTAGACATAATGATGATG 100
QY      232 CAAGCCAAAGCCATCTGAGTAATGAAGCAATCAACCAACCTTACCACCAAGCAG 291
DB      101 CAAGCCAAAGCCATCTGAGTAATGAAGCAATCAACCAACCTTACCACCAAGCAG 160
QY      292 CTTATGCTCTGATTTCAACAGCCTTGAGTTCAATCAACTAGAAAAACAAGCTCA 351
DB      161 TTTTATGGCTCTGATTTCAACAGCCTTGAGTTCAATCAACTAGAAAAACAAGCTCA 220
QY      352 GGGTCTCAGGCTCTCAGCCCTTAGCCATCACTTCGCGAAATCTTTGCTAGAGTCA 411
DB      221 TGGTCTCAGGCTCTCAGCCCTTAGCCATCACTTCGCGAAATCTTTGCTAGAGTCA 280
QY      412 ACCGGGTCAAGGAAATATACAAATGATTAATCCAAAGTGGGAACAGAGTAATGAATT 471
DB      281 ACCGGGTCAAGGAAATATATTAATGATTAATCCAAAGTGGGAACAGAGTAATGAATT 340
QY      472 TAAAGAGAGCAAGGCACTAGGGGTGATCCAGATCATGGTT 514
DB      341 TAAAGAGAGCAAGGCACTATGGGTGATCCATCATGGTT 383
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Job time : 427.97 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 13, 2003, 20:16:11 ; Search time 39.9632 Seconds
(without alignments)
6439.084 Million cell updates/sec

Title: US-09-981-353-114 *

Perfect score: 583
Sequence: 1 cccctgtagctgctcctcctg.....tatcgatgatcaatagca 583

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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3: /cgn2_6/prodata/2/ina/6A_COMB.seq:*
4: /cgn2_6/prodata/2/ina/6B_COMB.seq:*
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6: /cgn2_6/prodata/2/ina/backfile01.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
C 1	216	37.0	958 3	US-09-049-672A-15 Sequence 15, App1
C 2	214.4	36.8	3819 3	US-09-042-353-393 Sequence 193, App1
C 3	214.4	36.8	3819 4	US-08-758-417A-243 Sequence 243, App1
C 4	212.8	36.5	2178 1	US-08-463-587A-24 Sequence 24, App1
C 5	212.8	36.5	2178 2	US-08-463-667A-24 Sequence 24, App1
C 6	212.8	36.5	2178 3	US-08-923-854-24 Sequence 24, App1
C 7	212.8	36.5	2178 5	PCT-US91-09133-25 Sequence 25, App1
C 8	212.8	36.5	7305 5	PCT-US95-09576-4 Sequence 4, App1
C 9	212.8	36.5	7305 5	PCT-US95-09576-4 Sequence 4, App1
C 10	212	36.4	468 3	US-08-236-311-11 Sequence 11, App1
C 11	212	36.4	468 3	US-08-457-918-11 Sequence 11, App1
C 12	212	36.4	462 1	US-08-157-101A-8 Sequence 8, App1
C 13	212	36.4	1066 1	US-08-157-101A-4 Sequence 4, App1
C 14	211.2	36.2	705 3	US-09-171-945-51 Sequence 51, App1
C 15	211.2	36.2	705 3	US-09-171-945-96 Sequence 96, App1
C 16	211.2	36.2	705 3	US-09-171-945-98 Sequence 98, App1
C 17	211.2	36.2	708 1	US-08-488-376-18 Sequence 18, App1
C 18	211.2	36.2	708 2	US-08-534-223-18 Sequence 18, App1
C 19	211.2	36.2	708 2	US-08-534-224-18 Sequence 18, App1
C 20	211.2	36.2	708 2	US-08-534-400-18 Sequence 18, App1
C 21	211.2	36.2	708 2	US-08-535-878-18 Sequence 18, App1
C 22	211.2	36.2	708 2	US-08-770-057-18 Sequence 18, App1
C 23	211.2	36.2	708 3	US-09-335-697B-18 Sequence 18, App1
C 24	211.2	36.2	708 4	US-09-335-697B-18 Sequence 18, App1
C 25	211.2	36.2	708 4	US-09-740-002-18 Sequence 18, App1
C 26	211.2	36.2	780 3	US-09-027-449-54 Sequence 54, App1
C 27	211.2	36.2	780 3	US-09-027-449-54 Sequence 58, App1

C 28	211.2	36.2	780 3	US-09-027-449-65 Sequence 65, App1
C 29	211.2	36.2	780 3	US-08-804-444A-54 Sequence 54, App1
C 30	211.2	36.2	780 3	US-08-804-444A-58 Sequence 58, App1
C 31	211.2	36.2	780 3	US-09-026-985-54 Sequence 54, App1
C 32	211.2	36.2	780 3	US-09-026-985-58 Sequence 58, App1
C 33	211.2	36.2	780 3	US-09-026-985-65 Sequence 65, App1
C 34	211.2	36.2	780 4	US-09-121-952A-54 Sequence 54, App1
C 35	211.2	36.2	780 4	US-09-121-952A-58 Sequence 58, App1
C 36	211.2	36.2	780 4	US-09-121-952A-65 Sequence 65, App1
C 37	211.2	36.2	780 4	US-09-234-340A-54 Sequence 54, App1
C 38	211.2	36.2	780 4	US-09-234-340A-58 Sequence 58, App1
C 39	211.2	36.2	780 4	US-09-234-340A-65 Sequence 65, App1
C 40	211.2	36.2	1576 5	PCT-US95-11405-34 Sequence 34, App1
C 41	211.2	36.2	2143 3	US-09-097-309-5 Sequence 9, App1
C 42	211.2	36.2	2143 3	US-09-097-171A-9 Sequence 9, App1
C 43	211.2	36.2	2143 4	US-09-460-587-5 Sequence 5, App1
C 44	211.2	36.2	6127 2	US-08-887-352B-1 Sequence 1, App1
C 45	211.2	36.2	6127 3	US-09-109-207C-1 Sequence 1, App1

ALIGNMENTS

RESULT 1
US-09-049-672A-15/c
Sequence 15, Application US/09049672A
Patent No. 6135941
GENERAL INFORMATION:
APPLICANT: Hallman, Jennifer L.
APPLICANT: Lal, Preeti
APPLICANT: Tang, Y. Tom
APPLICANT: Yue, Henry
APPLICANT: Au-Young, Janice
APPLICANT: Corley, Neil C.
APPLICANT: Giegler, Karl J.
APPLICANT: Baughn, Mariah R.
TITLE OF INVENTION: HUMAN IMMUNE SYSTEM ASSOCIATED PROTEINS
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSES: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/049,672A
CLASSIFICATION: 536
FILING DATE: HEREWITH
PRIORITY APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Carbone, Michael C
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PF-0497 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 958 base pairs
TYPE: nucleic acid
STRADEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: ADENINB01

ADDRESSER: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/758,417A
FILING DATE: 02-Dec-1996
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/728,463
FILING DATE: 10-OCT-1996
APPLICATION NUMBER: US 08/544,404
FILING DATE: 10-OCT-1995
APPLICATION NUMBER: US 08/352,322
FILING DATE: 07-DEC-1994
APPLICATION NUMBER: US 08/209,741
FILING DATE: 09-MAR-1994
APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993
APPLICATION NUMBER: US 08/161,739
FILING DATE: 03-DEC-1993
APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993
APPLICATION NUMBER: US 08/096,762
FILING DATE: 22-JUL-1993
APPLICATION NUMBER: US 08/053,131
FILING DATE: 26-APR-1993
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992

ATTORNEY/AGENT INFORMATION:
NAME: Serafini, Andrew T.
REGISTRATION NUMBER: 41,303
REFERENCE/DOCKET NUMBER: 014643-009030US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 243:
SEQUENCE CHARACTERISTICS:
LENGTH: 3819 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 243:
US-08-758-417A-243

Query Match 36.8%; Score 214.4; DB 4; Length 3819;
Best Local Similarity 97.3%; Pred. No. 2.5e-55;
Matches 218; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

3 CTGTAGTCTGTCTCTTCTCTCTCTCTGTGACACTCTCTCTGGAGTACCCGATTGG 62
DB 3026 CTGTAGTCTGTCTCTCTCTCTCTCTCTGTGACACTCTCTCTGGAGTACCCGATTGG 2967

63 AGGGCGCTTATCCACCTTTCACCTGTAATTTGGCGCTCTCTGGAGTAAAGTATTACGACAG 122
DB 2966 AGGGCGCTTATCCACCTTTCACCTGTAATTTGGCGCTCTCTGGAGTAAAGTATTACGACAG 2907

123 CACACAAGAGGAGGAGTTCAGATTTCACCTGCTCATCAGATGCGGGAAGATGAAGACA 182
DB 2906 CACACAAGAGGAGGAGTTCAGATTTCACCTGCTCATCAGATGCGGGAAGATGAAGACA 2847

183 GATGTGCGACCCACAGTTGTTGATTCCTCAGCTCGAGCCGCTG 226
DB 2846 GATGTGCGACCCACAGTTGTTGATTCCTCAGCTCGAGCCGCTG 2803

RESULT 4
US-08-463-587A-24/C
Sequence 24, Application US/08463587A
Patent No. 5821047

GENERAL INFORMATION:
APPLICANT: Garrard, Lisa J.
APPLICANT: Henner, Dennis J.
APPLICANT: Baas, Steven
APPLICANT: Greene, Ronald
APPLICANT: Lowman, Henry B.
APPLICANT: Wells, James A.
APPLICANT: Matthews, David J.

TITLE OF INVENTION: ENRICHMENT METHOD FOR VARIANT PROTEINS WITH
ALTERED BINDING PROPERTIES

NUMBER OF SEQUENCES: 43
TITLE OF INVENTION: 43

CORRESPONDENCE ADDRESSES:
ADDRESSER: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/463,587A
FILING DATE: 05-Jun-1995
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/050058
FILING DATE: 30-APR-1993
APPLICATION NUMBER: PCT/US91/09133
FILING DATE: 03-DEC-1991

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/743614
FILING DATE: 09-AUG-1991
APPLICATION NUMBER: 07/715300
FILING DATE: 14-JUN-1991

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/683400
FILING DATE: 10-APR-1991

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/621667
FILING DATE: 03-DEC-1990

ATTORNEY/AGENT INFORMATION:
NAME: Schwartz, Timothy R.
REGISTRATION NUMBER: 32171
REFERENCE/DOCKET NUMBER: P0645P4D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-7467
TELEFAX: 415/952-9881
TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 2178 base pairs
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear

US-08-463-587A-24

Query Match 36.5%; Score 212.8; DB 1; Length 2178;
Best Local Similarity 96.9%; Pred. No. 5.7e-55;
Matches 217; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

3 CTGTAGTCTGTCTCTTCTCTCTCTGTGACACTCTCTCTGGAGTACCCGATTGG 62
DB 590 CTGTAGTCTGTCTCTTCTCTCTCTGTGACACTCTCTCTGGAGTACCCGATTGG 531

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/463587
FILING DATE: 05-Jun-1995
APPLICATION NUMBER: 08/050058
FILING DATE: 30-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCI/US91/0913
FILING DATE: 03-DEC-1991

APPLICANT: Crowley, Craig W.
TITLE OF INVENTION: METHOD FOR SELECTING HIGH-EXPRESSING
TITLE OF INVENTION: HOST CELLS
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)

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REGISTRATION NUMBER: 00,000
REFERENCE/DOCKET NUMBER: 798PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 7305 bases
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
PCT-US95-09576-4

Query Match      36.5%; Score 212.8; DB 5; Length 7305;
Best Local Similarity 96.9%; Pred. No. 1.1e-54;
Matches 217; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      3 CTGTAAGTGTCTGTCCTTCTGTCTGCTGCTGTGACACTCTCTCTGGAGATGACCCGATTGG 62
Db      3416 CTGTAGTGTCTGTCTTCTGTCTGTCTGTCTGTGTACACTCTCTCTGGAGATTACCGGATTGG 3357
QY      63 AGGGCGTTATCCACTTTCACCTGACTGTACTTTGGCCTCTCTGGAGTGAAGTTATTGACAGG 122
Db      3356 AGGGCGTTATCCACTTTCACCTGACTGTACTTTGGCCTCTCTGGAGTGAAGTTATTGACAGG 3297
QY      123 CACCAACACAGAGGAGATTTCCAGATTTCACCTGCTCATCAGATGGCGGGAATGAGACA 182
Db      3296 CACCAACACAGAGGAGATTTCCAGATTTCACCTGCTCATCAGATGGCGGGAATGAGACA 3237
QY      183 GATGTGCAGCCACAGTTTCGTTTGATCTTCACGCTGAGCCGCTG 226
Db      3236 GATGTGCAGCCACAGTTTCGTTTGATCTTCACGCTTGGATCCCTG 3193

RESULT 10
US-08-236-311-11/c
Sequence 11, Application US/08236311
Patent No. 556535
GENERAL INFORMATION:
APPLICANT: Capon, Daniel J.
APPLICANT: Gregory, Timothy J.
TITLE OF INVENTION: Adhesion Variants
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd.
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/236,311
FILING DATE: 02-MAY-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/936190
FILING DATE: 26-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/842777
FILING DATE: 18-FEB-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/250785
FILING DATE: 28-SEP-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/104329
FILING DATE: 02-OCT-1987
ATTORNEY/AGENT INFORMATION:

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TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3711
TELEFAX: 202-822-0944
TELEX: 6714627 CUCH
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 642 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-157-101A-8

Query Match      36.4% Score 212; DB 1; Length 642;
Blast Local Similarity 97.7%; Pred. No. 5.2e-55;
Matches 215; Conservative 0; Mismatches 5; Indels 0; Gaps 0

QY      3      CTGTAGTGCTGTCTCTTGTCTGTCTGTCTGTGACACTCTCTGGAGAGTCAACCGATTGG 62
Db      521  CTGTAGTGCTGTCTCTTGTCTGTCTGTCTGTGACACTCTCTGGAGAGTCAACCGATTGG 462
      |||
QY      63  AGGGCGTTATCCACCTTCCACTGTACTGTGGCTCTCTGGGATAGAAGTTATTCAGCAGG 122
Db      461  AGGGCGTTATCCACCTTCCACTGTACTGTGGCTCTCTGGGATAGAAGTTATTCAGCAGG 402
      |||
QY      123  CACCAAGAGAGGCGAGTCCAGATTTCAGTCAAGTGCATAGAGAGGGGGGAAGATGAAGACA 182
Db      401  CACCAAGAGAGGCGAGTCCAGATTTCAGTCAAGTGCATAGAGAGGGGGGAAGATGAAGACA 342
      |||
QY      183  GATGGTGAGCCACAGTTGCTGTTGATCTTCAGCTGAGCC 222
Db      341  GATGGTGAGCCACAGTTGCTGTTGATCTTCAGCTGATCC 302
      |||

RESULT 13
US-08-157-101A-4/c
Sequence 4, Application US/08157101A
Patent No. 5808032
GENERAL INFORMATION:
APPLICANT: KURIHARA, TATSUYA
APPLICANT: MATSUKURA, SHIGEKAZU
APPLICANT: TSURUOKA, NOBUO
APPLICANT: ARIMA, KENJI
APPLICANT: NISHIHARA, TATSURO
TITLE OF INVENTION: ANTI-HBs ANTIBODY GENES AND EXPRESSION
TITLE OF INVENTION: PLASMIDS THEREFOR
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: PILLSBURY, MADISON & SUTRO
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/157,101A
FILING DATE: 05-APR-1994
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: TITUS, MARILYN K
REGISTRATION NUMBER: 35843
REFERENCE/DOCKET NUMBER: 9437/204199
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3711
TELEFAX: 202-822-0944
TELEX: 6714627 CUCH
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:

```

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      LENGTH: 1066 base pairs
      TYPE: nucleic acid
      STRANDEDNESS: single
      TOPOLOGY: linear
      MOLECULE TYPE: DNA (genomic)
US-08-157-101A-4

Query Match          36.4%; Score 212; DB 1; Length 1066;
Best Local Similarity 97.7%; Pred. No. 6,9e-55;
Matches 215; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY   CTGTAGTGTCTGTCCTTGCTGCTGCTGCTGTAACATCTCTCCGGAGTCAACCGCATTTGG 62
DB   |||||||
DB   619 CTGTAGTGTCTGTCCTTGCTGCTGCTGCTGTAACATCTCTCCGGAGTCAACCGCATTTGG 560
QY   AGGCGGTTATCCACTTCCACTGTACTTGGCCTCTCGAGATGAAGTTATTACGACAG 122
DB   |||||||
DB   559 AGGCGGTTATCCACTTCCACTGTACTTGGCCTCTCTGGAGATGAAGTTATTACGACAG 500
QY   CACACAACAGAGGAGGAGTTCCAGATTTCAACTGCTCATCAGATGGCGGGAAGTAGAAC 182
DB   |||||||
DB   499 CACACAACAGAGGAGGAGTTCCAGATTTCAACTGCTCATCAGATGGCGGGAAGTAGAAC 440
QY   GATGTGCAGGCCACAGTTGCTTTGATCTCCAGCTCGAGCC 222
DB   |||||
DB   439 GATGTGCAGGCCACAGTTGCTTTGATCTCCAGCTCGAGCTCC 400

RESULT 14
US-09-171-945-51/c
Sequence 51, Application US/09171945
Patent No. 6277599
GENERAL INFORMATION:
APPLICANT: Emery, Stephen
APPLICANT: Copley, Clive Graham
APPLICANT: Edge, Michael Derek
TITLE OF INVENTION: Monoclonal Antibody to CEAs, Conjugates Comprising Said
TITLE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System
FILE REFERENCE: Monoclonal Antibody to CEAs
CURRENT APPLICATION NUMBER: US/09/171,945
CURRENT FILING DATE: 1998-10-29
PRIOR APPLICATION NUMBER: GB9703103.3
PRIOR FILING DATE: 1997-02-14
PRIOR APPLICATION NUMBER: GB9609405.7
PRIOR FILING DATE: 1996-05-04
PRIOR APPLICATION NUMBER: PCT/GB97/01165
PRIOR FILING DATE: 1997-04-29
NUMBER OF SEQ ID NOS: 131
SOFTWARE: PatentIn Ver..2.1
SEQ ID NO 51
LENGTH: 705
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: humanized
US-09-171-945-51

Query Match          36.2%; Score 211.2; DB 3; Length 705;
Best Local Similarity 96.4%; Pred. No. 9.7e-55;
Matches 216; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY   CTGTAGTGTCTGTCCTTGCTGCTGCTGCTGTAACATCTCTCCGGAGTCAACCGCATTTGG 62
DB   |||||||
DB   584 CTGTAGTGTCTGTCCTTGCTGCTGCTGCTGTAACATCTCTCTCCGGAGTCAACCGCATTTGG 525
QY   AGGCGGTTATCCACTTCCACTGTACTTGGCCTCTCGAGATGAAGTTATTACGACAG 122
DB   |||||||
DB   524 AGGCGGTTATCCACTTCCACTGTACTTGGCCTCTCTGGAGATGAAGTTATTACGACAG 465
QY   CACACAACAGAGGAGGAGTTCCAGATTTCAACTGCTCATCAGATGGCGGGAAGTAGAAC 182
DB   |||||||
DB   484 CACACAACAGAGGAGGAGTTCCAGATTTCAACTGCTCATCAGATGGCGGGAAGTAGAAC 405

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QY 181 CAGATGTGAGCAGCAGTTGTTGATCTCCAGCTGAGCCGCTGCGTCTT 240
DB 181 CAGATGTGAGCAGCAGTTGTTGATCTCCAGCTGAGCCGCTGCGTCTT 240
QY 241 GATCGGAACTCTGCTTCTCTTCTGCGAATGAGCCCACTGCTGCTGCTG 300
DB 241 GATCGGAACTCTGCTTCTCTTCTGCGAATGAGCCCACTGCTGCTGCTG 300
QY 301 TTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
DB 301 TTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
QY 361 AGAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
DB 361 AGAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
QY 421 GCAAGGGGATCAGAGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTG 480
DB 421 GCAAGGGGATCAGAGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTG 480
QY 481 GATATGAAAGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 540
DB 481 GATATGAAAGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 540
QY 541 CTACTGATTTTTTTTATGAAATATGATGATGATGATGATGATGATGATG 583
DB 541 CTACTGATTTTTTTTATGAAATATGATGATGATGATGATGATGATG 583

RESULT 2

US-10-044-090-584
Sequence 584, Application US/10044090
Publication No. US20020137081A1
GENERAL INFORMATION:
APPLICANT: Olga Bandman
TITLE OF INVENTION: GENES DIFFERENTIALLY EXPRESSED IN VASCULAR TISSUE ACTIVATION
FILE REFERENCE: PA-0028 US
CURRENT FILING DATE: 2002-01-09
CURRENT APPLICATION NUMBER: US/10/044,090
NUMBER OF SEQ ID NOS: 850
SOFTWARE: PERL Program
SEQ ID NO 584
LENGTH: 583
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20020137081A1 2685676CBI
US-10-044-090-584

Query Match 100.0%; Score 583; DB 14; Length 583;
Best Local Similarity 100.0%; Pred. No. 8.2e-177;
Matches 583; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60
DB 1 CCGCTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60
QY 61 GAGAGGGGTATCCACTTCCACTGTAATTTGGCTCTGCTGCTGCTGCTGCTG 120
DB 61 GAGAGGGGTATCCACTTCCACTGTAATTTGGCTCTGCTGCTGCTGCTGCTG 120
QY 121 GGCACACACAGAGGAGCTTCCAGATTTCATCTGCTCATCATGATGCGGGAAGATGAGA 180
DB 121 GGCACACACAGAGGAGCTTCCAGATTTCATCTGCTCATCATGATGCGGGAAGATGAGA 180
QY 181 CAGATGTGAGCAGCAGATTGTTGATCTCCAGCTGAGCCGCTGCTGCTGCTT 240
DB 181 CAGATGTGAGCAGCAGATTGTTGATCTCCAGCTGAGCCGCTGCTGCTGCTT 240
QY 241 GATCGGAACTCTGCTTCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 300
DB 241 GATCGGAACTCTGCTTCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 300

QY 301 TTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
DB 301 TTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
QY 361 AGAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
DB 361 AGAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
QY 421 GCAAGGGGATCAGAGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTG 480
DB 421 GCAAGGGGATCAGAGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTG 480
QY 481 GATATGAAAGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 540
DB 481 GATATGAAAGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 540
QY 541 CTACTGATTTTTTTTATGAAATATGATGATGATGATGATGATGATGATG 583
DB 541 CTACTGATTTTTTTTATGAAATATGATGATGATGATGATGATGATGATG 583

RESULT 3

US-10-084-817-179
Sequence 179, Application US/10084817
Publication No. US20030119009A1
GENERAL INFORMATION:
APPLICANT: Susan Stuart
APPLICANT: Jed G. Muchern
APPLICANT: Sharon E. Plon
APPLICANT: Jason M. Shohet
TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION
FILE REFERENCE: PA-0046 US
CURRENT FILING DATE: 2002-02-25
CURRENT APPLICATION NUMBER: 60/270,784
PRIOR FILING DATE: 2001-02-23
NUMBER OF SEQ ID NOS: 365
SOFTWARE: PERL Program
SEQ ID NO 179
LENGTH: 583
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20030119009A1 2685676CBI
US-10-084-817-179

Query Match 100.0%; Score 583; DB 15; Length 583;
Best Local Similarity 100.0%; Pred. No. 8.2e-177;
Matches 583; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGTGAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60
DB 1 CCGTGAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60
QY 61 GAGAGGGGTATCCACTTCCACTGTAATTTGGCTCTGCTGCTGCTGCTGCTG 120
DB 61 GAGAGGGGTATCCACTTCCACTGTAATTTGGCTCTGCTGCTGCTGCTGCTG 120
QY 121 GGCACACACAGAGGAGCTTCCAGATTTCATCTGCTCATCATGATGCGGGAAGATGAGA 180
DB 121 GGCACACACAGAGGAGCTTCCAGATTTCATCTGCTCATCATGATGCGGGAAGATGAGA 180
QY 181 CAGATGTGAGCAGCAGATTGTTGATCTCCAGCTGAGCCGCTGCTGCTGCTT 240
DB 181 CAGATGTGAGCAGCAGATTGTTGATCTCCAGCTGAGCCGCTGCTGCTGCTT 240
QY 241 GATCGGAACTCTGCTTCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 300
DB 241 GATCGGAACTCTGCTTCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 300
QY 301 TTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360

Query Match	47.7%;	Score 277.8;	DB 15;	Length 448;
Best Local Similarity	88.6%;	Pred. No. 1.1e-78;		
Matches 327; Conservative	0;	Mismatches 32;	Indels 10;	Gaps 2;

Query Match	47.7%	Score 277.8;	DB 15;	Length 448;
Best Local Similarity	88.6%;	Pred. No. 1.1e-78;		
Matches 327; Conservative	0;	Mismatches 32;	Indels 10;	Gaps 2;

OY	221	CCGCTGGCTGTTTCCCTCTTGATACGGGAACCCGCTCTTCCCTGGACCTCGAAATGAGACC	280
Db	54	CCGCTGGCTGTTTCCCTCTTGATAGGGAACCTCGCTTCTCTTGCCCTCGAAATGAGACC	113
OY	281	CAACTGCTCCGCTCGGCTGTGGCTCCTGTGCGCTGTGGCGGCTCTTGCAATGCAGAGA	340
Db	114	CAACTGCTCCGCTCGGCTGTGGCTCCTGTGCGCTGTGGCGGCTCTTGCAATGCAGAGA	173
OY	341	GTGCAATGCACCTTCCTGCAAGAGAAGCTGTGCTCCTGTGCTGCTGTGGGCTGTGCCAA	400
Db	174	GTGCAATATGCACCTTCCTGCAAGAGAAGCTGTGCTCCTGTGCTGCTGTGGGCTGTGCCAA	233
OY	401	GTGTGCCAGGGCTGCATCTGCAAGAGGGGCATCAGAGAATGSCAGCTGCTGTGCTGATG	460
Db	234	GTGTGCCAGGGCTGCATCTGCAAGAGGAGCCTCAGACAATGSCAGCTGTGCTGATG	293
OY	461	TCGCGACAGCCCTTGCTCGAAGATATAGAAAGATGACCTGCACAAACTTTGGA-----	512

Db 294 CAGGACAGCTGTCCTCTCAGATGTAAATAGGACAACCTAATAAACCTGATTTTTTTT 353
 Qy 513 ATTTTTTTTCATACACACCCTGCCCCCTACT--GTATTTTTTTAATGAATATGTGA 570
 Db 354 TTTTTTTTTTTGACACACCCTGACCGGTGTCTACATCTTTTTTTCTATGAATAATGTGA 413
 Qy 571 ATGATATA 579
 Db 414 ATGGCAATA 422

RESULT 6
ITS-09-98

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Sequence 794. Application us/09880107
Patent No. US20020142981A1
GENERAL INFORMATION:
APPLICANT: Horne, Darci T.
APPLICANT: Vockley, Joseph G.
APPLICANT: Scherff, Uwe
APPLICANT: Gene Logic, Inc.
TITLE OF INVENTION: Gene Expression Profiles In Liver Cancer
FILE REFERENCE: 44921-5028-MO
CURRENT APPLICATION NUMBER: US/09/880,107
CURRENT FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: US 60/211,379
PRIOR FILING DATE: 2000-06-14
PRIOR APPLICATION NUMBER: US 60/237,054
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 3950
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3794
LENGTH: 415
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Genbank Accession No. US20020142981A1 X76717
US-09-880-107-3794

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Query Match	47.6%	Score 277.4	DB 10	Length 415
Best Local Similarity	88.3%	Pred. No. 1.4e-78		
Matches 326	Conservative	1	Mismatches 32	Indels 10
			Gaps	2

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Oy      221  CGCGTCGCGTGTTCCTCTTGATCGGGAACTCTGCTTCTCTTGCTCGAAATGACCC 280
Db      1   CGCGTCGCGTGTTCCTCTTGATCGGGAACTCTGCTTCTCTTGCTCGAAATGACCC 60

Oy      281  CAACGCTCTCTGCTCGCCTGTGGCTCTGTGCTGTGCGGCTCTCGCAATGCAAGA 340
Db      61  CAACGCTCTCTGCTCGCCTGTGGCTCTGTGCTGTGCGGCTCTCGCAATGCAAGA 120

Oy      341  GTGCAATGCACTCTCTGCAGAGAGCTGCTCTCTGCTGCGCTGTGGCTGTGCCA 400
Db      121  GTGCAATGCACTCTCTGCAGAGAGCTGCTCTCTGCTGCGCTGTGGCTGTGCCA 180

Oy      401  GGTGCCCCGAGGCTGTCATCTGCMAAGGGGACATCAGAGAAAGTACGCTGTGCTGATG 460
Db      181  GTGTGCCCGAGGCTGTCATCTGCMAAGGGGACGTAGACAACTGACGCTGTGCTGATG 240

Oy      461  TCCGGACAGCCCTGCTCGAAGATATAGAAAGCTGACCTGCACAACTTGG----- 512
Db      241  CCAGGACAGCTGTGCTCTCAGATGTAAATAGACAACTATATAAACCCTGATTTTTT 300

Oy      513  ATTTTTTTTCATACAACTCTGCCCATCTACT--GTATTTTTTTTAATGAATATGTGA 570
Db      301  TTTTTTTTTTTTACAACTGACCGTTGTGCATATCTTTTTTTCTATGAATAATGTGA 360

Oy      571  ATGATATA 579
Db      361  ATGGCAATA 369

```

RESULT 7

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US-09-873-319-720
Sequence 720. Application US/09873319A
Publication No. US20030134324A1
GENERAL INFORMATION:
APPLICANT: Munger, William E.
APPLICANT: Kulkarni, Prakash
APPLICANT: Getzenberg, Robert H.
APPLICANT: Waga, Iwao
APPLICANT: Yamamoto, Jun
TITLE OF INVENTION: Identifying Drugs for and Diagnosis of Benign Prostatic
TITLE OF INVENTION: Hyperplasia Using Gene Expression Profiles
FILE REFERENCE: 44921-5029-US
CURRENT APPLICATION NUMBER: US/09/873,319A
CURRENT FILING DATE: 2001-06-05
EARLIER APPLICATION NUMBER: US 60/223,323
EARLIER FILING DATE: 2000-08-07
NUMBER OF SEQ ID NOS: 755
SOFTWARE: PatentIn Ver. 2.1
SEQ.ID NO 720
LENGTH: 415
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Genbank Accession No. US20030134324A1 X76717
US-09-873-319-720

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Query Match	47.6%	Score 277.4;	DB 13;	Length 415;
Best Local Similarity	88.3%	Pred. No. 1,4e-78;		
Matches 326;	Conservative 1;	Mismatches 32;	Indels 10;	Gaps 2

QY 221 CCGCGGCGGCTGTTTCTCTGTATGGGGAACCTCTGCTTCTCTGGCTGGAATGACC 280

Db 1 CCGCTGCCTGTTTTCTCTGTATGGGAACCTCTGCTTCTCTGGCTGGAATGACC 60

QY 281 CAAGTCTCTGCTGCGCTGTGTGCTCTGTCGCTGTGCGGCTCTCTGCAATGCAAGA 340

Db 61 CAAGTCTCTGCTGCGCTGTGTGCTCTGTCGCTGTGCGGCTCTCTGCAATGCAAGA 120

QY 341 GTGCAATGCACTCTCTGCAAGAAAGAGTGTGCTCTCTGCTGCCCTGTGGGCTGTGCCAA 400

Db 121 GTGCAAAATGCACTCTCTGCAAGAAAGAGTGTGCTCTCTGCTGCCCTGTGGGCTGTGCCAA 180

QY 401 GTGTGCCAGAGGCTGATCTGTGCAAAAGGGGATCAGAGAAAGTCAAGCTGTGTCCTGATG 460

Db 181 GTGTGCCAGAGGCTGATCTGTGCAAAAGGGGATCAGAGAAAGTCAAGCTGTGTCCTGATG 240

QY 461 TCCGAGACGCCCTGTCTGAGAGATATAGAAAGAGTGAAGCTGCAAACTTGA----- 512

Db 241 CCAAGAGACGCTGTGCTCTCAAGTGTAAATAGACAACCTATATAACTGSAATTTTTTTT 300

QY 513 ATTTTTTTTCCATACACCCCTGCCCATCTACT--GTATTTTTTTTAATGAAATATGTGA 570

Db 301 TTTTTTTTTTTGTACACCCCTGACCCGTTTGCTATACATCTTTTTTTTCTATGAAATATGTGA 360

QY 571 ATGATATA 579

Db 361 ATGGCAATA 369

RESULT 8

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: Sequence 1087, Application US/09960706
: Publication No. US20030134280A1
:
: GENERAL INFORMATION:
:
: APPLICANT: Munger, William E.
:
: TITLE OF INVENTION: Identifying Drugs for and Diagnosis of Benign Prostatic Hyperplasia
:
: TITLE OF INVENTION: Gene Expression Profiles
:
: FILE REFERENCE: 44921-5029-01US
:
: CURRENT APPLICATION NUMBER: US/09/960,706
:
: CURRENT FILING DATE: 2001-09-24
:
: PRIOR APPLICATION NUMBER: 60/223,323
:
: PRIOR FILING DATE: 2000-08-07
:
: PRIOR APPLICATION NUMBER: 09/873,319
:

```



```

RESULT 11
US-09-919-039-244
: Sequence 244 Application US/09919039
: Publication No. US20030108871A1
: GENERAL INFORMATION:
: APPLICANT: Kaser, Matthew R.
: TITLE OF INVENTION: GENES EXPRESSED IN TREATED HUMAN C3A LIVER CELL CULTURES
: FILE REFERENCE: PA-0035 US
: CURRENT APPLICATION NUMBER: US/09/919,039
: CURRENT FILING DATE: 2002-09-09
: PRIOR APPLICATION NUMBER: 60/222,113
: PRIOR FILING DATE: 2000-07-28
: NUMBER OF SEQ ID NOS: 401
: SOFTWARE: PERL Program
: SEQ ID NO 244
: LENGTH: 473
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURES:
: NAME/KEY: misc feature
: OTHER INFORMATION: Incyte ID No. US20030108871A1 167772CB1
US-09-919-039-244

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[illegible]

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RESULT 12
US-09-880-107-2702/c
; Sequence 2702, Application US/09880107
; Patent No. US20020142981A1
GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
FILE REFERENCE: 44921-5028-WO
CURRENT APPLICATION NUMBER: US/09/880,107
CURRENT FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: US 60/211,379
PRIOR FILING DATE: 2000-06-14
PRIOR APPLICATION NUMBER: US 60/237,054
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 3950
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2702
LENGTH: 409
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Genbank Accession No. US20020142981A1 N80129
NAME/KEY: unsure
LOCATION: (1)..(409)
OTHER INFORMATION: n = a or c or g or t
US-09-880-107-2702

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Query Match Similarity 42.1%; Score 245.2; DB 10; Length 409;
Best Local Similarity 88.0%; Pred. No. 3,1e-68;
Matches 324; Conservative 0; Mismatches 35; Indels 9; Gaps 5;

QY 221 CCGCTGCGTGTTCCTCTCTTG-ATCGGGAACCTCGCTTCTCTTGCCCTCGAAATGAGACC 279
DB 382 CCGCTGCGTGTTCCTCTCTTGAAATCGGGAACTCGCTTCTCTTGCCCTCGAAATGAGACC 323
QY 280 CCAATGTCCTGCG-TCGCGTGTGGGCTCGTGGCCCTGCGCGGCTCGTGCAAATGCAAA 338
DB 322 CCAATGTCCTCGAAATGCGATGCTGTGTGCTCTGCTGTGCGCGGCTCTGCAAAATGCAA 263
QY 339 GAGTGCAAATGACACCTCTCTGCAAGAAAGACTGCTGTGC-TGCTGCCCCGTGGGCTGTGC 397
DB 262 GAGTGCAAATGACACCTCTCTGCAAGAAAGACTGCTGTGCTCAGTGCATGCTGTGGGCTGTGC 203
QY 398 CAAGTGTGCCAAGGCGCTGCATCTGCAAAAGGGGATATAGAAAGTGCAGCTGCTGTGCTG 457
DB 202 CAAGTGTGCCAAGGCGCTGCATCTGCAAAAGGGGAGCTGACCAATGACAGCTGCTGTGCTG 143
QY 458 ATGTCCGAGACAGCCGCTGCTCGAAGATATAGAAAGAGTGCACCAAACTTGGAA----A 513
DB 142 ATGCGAGACAGCTGTGCTCTCAAGTATTAAGGCAACCTATATTAACCTGGATTTTT 83
QY 514 TTTTTCATATACAAACCTGCCCCACTACT--GTATTTTATATGAATATGTGAA 571
DB 82 TTTTTCATATACAAACCTGACCGGTTGTCTATCATCTTTTTCATATGAATAATGTGAA 23
QY 572 TGATATATA 579
DB 22 TGGCAATA 15

RESULT 13
; US-09-954-531.1253/c
; Sequence 1253, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
; APPLICANT: Weaver, Zoe
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cance
; TITLE OF INVENTION: Gene Sets

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RESULT 15
US-09-960-706-785/c
; Sequence 785, Application US/09960706
; Publication No. US20030134280A1
; GENERAL INFORMATION:
; APPLICANT: Munger, William E.
; TITLE OF INVENTION: Identifying Drugs for and Diagnosis of Benign Prostatic Hyperplasia
; TITLE OR INVENTION: Gene Expression Profiles
; FILE REFERENCE: 44921-5029-01US
; CURRENT APPLICATION NUMBER: US/09/960,706
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: 60/223,323
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: 09/873,319
; PRIOR FILING DATE: 2001-06-05
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 785
; LENGTH: 409
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20030134280A1 N80129
; NAME/KEY: unsure

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 13, 2003, 20:16:11 ; Search time 112.144 Seconds
(Without alignments)
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Title: US-09-981-353-165

Perfect score: 1636
Sequence: 1 gacagctgctgagggagact.....ccaatccaagaagacctg 1636

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	780.4	47.7	1976	4 US-09-356-806-112	Sequence 112, App
2	775.6	47.4	2107	3 US-09-180-852-1	Sequence 1, Appl
3	766	46.8	2092	4 US-09-356-806-7	Sequence 7, Appl
4	750	45.8	1854	4 US-09-356-806-39	Sequence 39, Appl
5	574	35.1	1413	4 US-09-813-318-1	Sequence 1, Appl
6	329	20.1	2339	5 PCT-US92-00282-2	Sequence 2, Appl
7	319.8	19.5	2336	5 PCT-US92-00282-1	Sequence 1, Appl
8	319.2	19.2	1001	4 US-09-671-317-388	Sequence 388, App
9	314.2	19.2	1001	4 US-09-671-317-389	Sequence 389, App
10	272.2	16.6	735	4 US-09-305-8568-17	Sequence 17, Appl
11	223.6	13.7	1001	4 US-09-671-317-390	Sequence 390, App
12	200.2	12.2	2312	4 US-09-356-806-114	Sequence 114, App
13	197	12.0	1001	4 US-09-671-317-424	Sequence 424, App
14	195.8	12.0	1323	4 US-09-356-806-1	Sequence 1, Appl
15	195.4	11.9	596	4 US-09-356-806-45	Sequence 45, Appl
16	193.8	11.8	978	4 US-09-356-806-118	Sequence 118, App
17	191	11.7	1001	4 US-09-671-317-412	Sequence 412, App
18	188.4	11.5	1589	4 US-09-356-806-6	Sequence 6, Appl
19	186.4	11.4	1001	4 US-09-671-317-352	Sequence 352, App
20	185.2	11.3	1001	4 US-09-671-317-353	Sequence 353, App
21	185.2	11.3	1001	4 US-09-671-317-354	Sequence 354, App
22	182.2	11.1	1001	4 US-09-671-317-405	Sequence 405, App
23	179.8	11.0	1686	4 US-09-356-806-41	Sequence 41, Appl
24	162	9.9	1001	4 US-09-671-317-403	Sequence 403, App
25	145.6	8.9	391	4 US-09-370-838-21	Sequence 21, Appl
26	144.8	8.9	1602	4 US-09-356-806-117	Sequence 117, App
27	144.6	8.8	1591	4 US-09-356-806-44	Sequence 44, Appl

28	138.6	8.5	689	4 US-09-356-806-5	Sequence 5, Appl
29	134.2	8.2	1001	4 US-09-671-317-404	Sequence 404, App
30	124	7.6	983	4 US-09-671-317-386	Sequence 386, App
31	122.6	7.5	1001	4 US-09-671-317-427	Sequence 427, App
32	121.4	7.4	1001	4 US-09-671-317-413	Sequence 413, App
33	120.2	7.3	1001	4 US-09-671-317-415	Sequence 415, App
34	120.2	7.3	1001	4 US-09-671-317-417	Sequence 417, App
35	120.2	7.3	1001	4 US-09-356-806-115	Sequence 115, App
36	119.8	7.3	1001	4 US-09-671-317-414	Sequence 414, App
37	119.8	7.3	1001	4 US-09-671-317-416	Sequence 416, App
38	109.8	6.7	746	4 US-09-356-806-2	Sequence 2, Appl
39	109.8	6.7	1001	4 US-09-671-317-382	Sequence 382, App
40	108	6.6	1001	4 US-09-671-317-381	Sequence 381, App
41	102.6	6.3	1001	4 US-09-671-317-294	Sequence 294, App
42	101.4	6.2	1340	4 US-09-356-806-42	Sequence 42, App
43	98.6	6.0	1822	4 US-09-356-806-43	Sequence 43, App
44	97.4	6.0	1561	5 PCT-US92-00282-25	Sequence 25, Appl
45	97	5.9	480	4 US-09-356-806-116	Sequence 116, App

ALIGNMENTS

RESULT 1
US-09-356-806-112
Sequence 112, Application US/09356806
Patent No. 6586175
GENERAL INFORMATION:
APPLICANT: Penny, Laura
APPLICANT: Galvin, Margaret
APPLICANT: Miller, Andrew
APPLICANT: Reidy, Michael
TITLE OF INVENTION: Genotyping Human
TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
FILE REFERENCE: SEQ-22PRV2
CURRENT APPLICATION NUMBER: US/09/356,806
NUMBER OF SEQ ID NOS: 164
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 112
LENGTH: 1976
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (11) ... (1598)
US-09-356-806-112

Query Match 47.7%; Score 780.4; DB 4; Length 1976;
Best Local Similarity 68.8%; Pred. No. 1.2e-217;
Matches 1107; Conservative 0; Mismatches 491; Indels 12; Gaps 2;

24 ATCATGAGCTTGACAGCTGAGCTTGATTTCTGCTCTGAGCTCTTCTGT---GTT 80
5 ACCAGATGCTCTGAAATGACGCTGATCTTCTGATACGCTCACTTACTTT 64
81 GGCTGTGATTTCTGGAAGCTCTGCTGTGAGCTCTGACATGAGCCATTGGCTTAAT 140
65 AGCTTGGAAGCTGGAAGGCTGAGTGTGCTGACCAAGATACAGCCATTGGATTAAT 124
141 GTCAAGCTATTGTAGAAAGCTCATATGAGAGGCTCATGAGGTAACAGTATTGACTCAC 200
125 ATGAAACATATCTTGAAAGCTGTTGACAGGGGTCATGAGGTGACTGTGTGACATCT 184
201 TCAAGCTTGTGTAATGACTACAGAAAGCTTGTGCAATGAAATTTGAGGTGTCAT 260
185 TCGGCTTACTCTTGTCAATGCAATGCAATATATCTGCTTAAATTAAGATTATCTT 244
261 ATGCC-----ACAGACAGAAAGAAATGAAATATTTGTAAGCTTCTG 311
245 ACATCTTAACTAAATATGATTGGAAGATTCCTTCTGAAATATCTCATATGATGATGA 304

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QY 312 AATGCTTCGACGAGCTTATCAACCTGGCAATCAGTATATAAATTAATGATTTTGTGTT 371
DB 305 TAGGTGTTTCAAAAAATACATTTTGGTCAATTTTTCACAAATTAACAAGATTTGTGG 364
QY 372 GAATTAAGAGAACTTTAAAAATGATGTGAGAGCTTTTATCTAATCAATCAAGAGCTTATG 431
DB 365 GAATATATATGACTACAGTAAACAGCTCTGTAAAGATGACAGTTTGAATAAGAACTTATG 424
QY 432 AAGAAGTACAGAAACCAACTAGATGTATATGTTATAGACCTGTGATTTCCCTGGGA 491
DB 425 ATGAATCTACAAAGGTCAAAAGTTGATGTCAATCTGACAGATGCTTAAATCCCTGTGGT 484
QY 492 GACCTGATGTGATGCTTGTGACAGTCCCTTTGTGCTCACTTAAATTTCTGTAGGA 551
DB 485 GAGCTACTGTGATGACTATTTAATACATACCTTTCTGTACAGTCTTCAATTTCTGTGGC 544
QY 552 GGCATATGAGCGAGAGCTGTGGAAAATTCCAGCTCACTTTCTATGTACTGTGCT 611
DB 545 TACACATTTGAGAAAGATGTGAGAGATTTCTGTCCCTCTCTATGTACTGTGCT 604
QY 612 ATGACAGAGCTAACAAGACAAATGACCTTTCTGAAAAGTAAATTAATCAATGCTTCA 671
DB 605 ATGTCAAAATTAAGTGTACAAATGATTTTCAATGAGAGATAAATAATGATATCAATG 664
QY 672 GTTTTGTTCACCTTGTGATTCAGATTAACAGTATCATTTTGTGGAAGATTTTATAGT 731
DB 665 CTTTATTTTGACTTTGTGTTTCAATTTATGATCTGAAGAAGTGGACAGCTTTTATAGT 724
QY 732 AAGGCAATTAAGAGGCCCACTACATTAATGTAGAATGTGGAAAAGCTGAGATATGCTA 791
DB 725 GAAGTTCTAGGAAGACCACTACATTAATGTAGAAGATGTGGAAAAGCTGAAAATGTGCTC 784
QY 792 ATAGCAATTAATGGAGTTTGTGATTTTCTTCAACATTAACCACTTACTTGAATTTGTT 851
DB 785 ATTCGAACCTAATGGAGATTTGGAATTTCTGCTCCATTTTACCAATGTTGATTTGTT 844
QY 852 GAGAGATTCGACTTAACCTGCAAAAGCTTGTGCTAAGAAATGAAAATTTTGTGCTGAG 911
DB 845 GAGAGATTCGACTTAACCTGCAAAAGCTTGTGCTAAGAAATGAAAATTTTGTGCTGAG 904
QY 912 AGTTCAAGGGAAGATGTATTTGTGTTTCTGTGGGGTCACTGTTTCAAAATGTTACA 971
DB 905 AGCTCTGAGAAATGTGATTTGTGTTTCTGTGGGGTCACTGTTTCAAAATGTTACA 964
QY 972 GAAGAAAAGCTATATATCTGCTTCAAGCTTGTGCTTCAAGATCCCAAGAGTGTATAG 1031
DB 965 GAAGAAAAGCTATATATCTGCTTCAAGCTTGTGCTTCAAGATCCCAAGAGTGTATAG 1024
QY 1032 AGGTACAAAGGAAAACCAATCCATTAAGAGCAATTAATCTGGCTGTATGATTTGATA 1091
DB 1025 AGATTTGATGCAAGAAAGCCAAATATCTTTAGTTTCAATTAATCTGATGTAAGATGTTA 1084
QY 1092 CCCCAAGATGATCTTTGTGCTATCCCAAAACCAAGCTTTTATCACTCATGTGGAATG 1151
DB 1085 CCCCAAGATGATCTTTGTGCTATCCCAAAACCAAGCTTTTATCACTCATGTGGAATG 1144
QY 1152 AATGGGATTAAGAGCTATTTAACAAGGGTCCCTTATGAGGAGTTTCCATTTTGTG 1211
DB 1145 AATGGGATTAAGAGCTATTTAACAAGGGTCCCTTATGAGGAGTTTCCATTTTGTG 1204
QY 1212 GATCAGCTTGAATCATAGTCAATGTAAGGCAAGAGAGAGCTGTAGAAATTAATCACTTC 1271
DB 1205 GATCAGCTTGAATCATAGTCAATGTAAGGCAAGAGAGAGAGCTGTAGAAATTAATCACTTC 1264
QY 1272 AAAAATAAGCAAGAGATTTTACTGAGGGCTTTGAGAACAGTCAATTAACGATTTCTCT 1331
DB 1265 AGAGCAATGCAAGATGATTTGCTCAATGTAAGGCAAGAGAGAGAGCTGTAGAAATTAATCACTTC 1324
QY 1332 TATTAAGAGATGCTATGAGATTAATCAAGATTAATCAAGATTAATCAAGATTAATCAAG 1391
DB 1325 TATTAAGAGATGCTATGAGATTAATCAAGATTAATCAAGATTAATCAAGATTAATCAAG 1384
QY 1392 GATGAGAGATGCTTGTGATGAGATTTGTCAATGGGCCAAGAAAGAGCAAGACCTGGA 1451

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DB 1385 GATGAGAGATGCTTGTGATGATGATTTGTGATGATGATGATGATGATGATGATGATGAT 1444
QY 1452 TCAGCTGCCATGACCTCACTGCTTCCAGACTCACTATTAATGATGATGATGATGATGATGAT 1511
DB 1445 GTGAGAGCTCAACCTCACTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1504
QY 1512 CTGAGCTGTGAGCACTGCTATATTTCTGTCACAAATGATTTTATTTTCTGTCACAA 1571
DB 1505 CTGAGCTGTGAGCACTGCTATATTTCTGTCACAAATGATTTTATTTTCTGTCACAA 1564
QY 1572 AATTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1621
DB 1565 AAGCTTGCACAAACAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAA 1614

RESULT 2
US-09-180-852-1
; Sequence 1, Application US/09180852
; Patent No. 6287834
; GENERAL INFORMATION:
; APPLICANT: BELANGER, Alain
; APPLICANT: HDM, Dean W.
; APPLICANT: BEAULIEU, Martin
; APPLICANT: LEVESQUE, Eric
; TITLE OF INVENTION: CHARACTERIZATION AND USE OF AN ISOLATED URIDINE
; TITLE OF INVENTION: DIAPHOSPHO-GLUCURONOSYLTRANSFERASE
; FILE REFERENCE: 1259-449
; CURRENT APPLICATION NUMBER: US/09/180,852
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: PCT/CA97/00328
; EARLIER FILING DATE: 1997-05-16
; EARLIER APPLICATION NUMBER: US 08/649,319
; EARLIER FILING DATE: 1996-05-17
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2107
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (52)..(1644)
; US-09-180-852-1

Query Match 47.4%; Score 775.6; DB 3; Length 2107;
Best Local Similarly 68.6%; Pred. No. 3.2e-216;
Matches 1104; Conservative 0; Mismatches 494; Indels 12; Gaps 2;

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QY 372 GAATTAAGAGAACTTTAAAAATGATGTGAGAGCTTTATCTACATCAGACGCTTATG 431
DB 406 GAAATTTCTGACATATATATATTAAGCTCTGTGAAGATGCACTTTTGAACAAAGAACTTATG 465
QY 432 AAGAGCTACAGAAACCAACCTACGATGTAATGCTTAATGAAACCTGTGATTCCTGTGGA 491
DB 466 AGAAAATCAAGAAAGTCAAAATTTGATGTCTTCTGCAAGATGCGCTTAATCCCTGTGGT 525
QY 492 GACCTGATGCTGAGTGTCTTGTGAGTCCCTTTTGTGTCTACACTTGAATTTTCTGAGA 551
DB 526 GACCTGTGCTGAACTACTTAACATACCTTTCTGTACAGTCTCCGCTTCTGTGTGGC 585
QY 552 GGCATATATGAGCGAAGCTGTGGAAACTTCCAGCTCCACTTTCTATGTACTGTGCT 611
DB 586 TACACAGTTGAGAAAGATGATGTGAGATTTCTGTCTCTCTCTCTATGATGCTGTGTT 645
QY 612 ATGACAGACTTAACAGACAGATGACCTTTCTGAAAAGTAAATTTCAATGCTTTCA 671
DB 646 ATGTCAGAATTAAGTATCAAAATGATTTTCATGAGAGAGATTAATTAATGATATATATG 705
QY 672 GTTTTGTTCACCTTGTGATTCAGAGATTAAGATATATTTTGGGAAAGTTTATAGT 731
DB 706 CTTTATTTTACCTTTGTGTTTCAAGCATATGATCTGAAGAAAGTGGGACAGTTTATAGT 765
QY 732 AAGCATTTAGAAAGCCCACTACATATGAGAGCTGTGGAAAAGCTGAGATATGGCTA 791
DB 766 GAACTTCTAGAAAGACCCCACTACATATTTGAGCAATGGGAAAGCTGAAAATGTGCTC 825
QY 792 ATACGAACATATTTGGATTTTGAATTTCTCAACATACCAACCTTAATTTGATTTGT 851
DB 826 ATTCGAACATTTGGATTTTGAATTTCTGCGCCATTTCTTCAAAATGTTGATTTGTT 885
QY 852 GAGAGATTCACCTGTAAACCTGCCAAAGCTTGTCTAAGAAATGAAAAATTTGTCCAG 911
DB 886 GAGAGCTTCACTGTAAACCAAGCCAAACCTTGTCTAAGAAATGAAAGTGTGTGCGAG 945
QY 912 AGTTGAGGGAAGATGATTTGTGATTTCTGTGAGGTCACGTGTTCAAAATGTTACA 971
DB 946 AGCTCTGAGAAATGATTTGTGATTTCTGTGAGGTCACGTGTTCAAAATGTTACA 1005
QY 972 GAAGAAAAGCTAATATCATTTGCTTCCAGCCCTTCCAGATGCCCAAGAGTGTATG 1031
DB 1006 GAGAAAGTCCCAACATGATTTGATGACGCTTGTCCAGATGCCCAAGAAAGTTCTATG 1065
QY 1032 AGGTACAAAGAAACCAATCCATCACTTAAGAGCCAAATCTGCGCTGTATGATGATA 1091
DB 1066 AGATTTGATGCGAAGAACCAAAATCTTGTAGTTCATCTGACCTGTATTAAGTGTGA 1125
QY 1092 CCCAGAGATCTTCTGTGATCCCAAAACCAAGCTTTTATCACTCATGTGGAATG 1151
DB 1126 CCCAGAGATCTTCTGTGATCCCAAAACCAAGCTTTTATCACTCATGTGGAATC 1185
QY 1152 AATGAGCTATGAGCTATTTTACATGAGGATCCCTATGTTGGAGTTCCCATATTTGT 1211
DB 1186 AATGAGCTATGAGGATCTACATGAGGATCCCTATGTTGGAGTTCCCTGTTTGGG 1245
QY 1212 GATCAGCTGATTAACATGCTCATGAGAGCCCAAGAGAGCTGTGAATTAACCTTC 1271
DB 1246 GATCAACATGATTAACATGCTCATGAGAGCCCAAGAGAGCTGTGAATTAACCTTC 1305
QY 1272 AAAAATATGACAGCGAAGATTAAGAGGCTTTGAGAAACAGTCACTTACCGATTCCT 1331
DB 1306 AGGACCATGTCAGATGAGATTTGCTAATGATGAAAGTCAAGTCAATTAATGACCTTATC 1365
QY 1332 TATTAAGAGATGCTATGAGATTTATCAAGATTTCAACATGATCACTGTAAAGCCCTTA 1391
DB 1366 TATTAAGAGATTAACATGAAATTAATCAAGATTTATCATGATCAACCGGTGAAGCCCTG 1425
QY 1392 GATGAGCAGCTCTTGTGATGAGTTGTGATGCGCAAAAGAGCCAAAGACCTGCGA 1451
DB 1426 GATGAGCAGCTCTTGTGATGAGTTGTGATGCGCAAAAGAGCCAAAGACCTTGTGCG 1485
QY 1452 TCAGCTGCCATGACCTCACCTGCTTCCAGACATCACTATATGATGATGGGTTCTG 1511

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DB 1486 GTGCGAGCCCAACCTCACTGATCCAGTACCACTCTTTGATGTGATGATGATTCCTG 1545
QY 1512 CTGACCTGTGTGCAACCTGATATTTCTTTTCACAAAATGTTTATTTTCTGTGCA 1571
DB 1546 CTGCGCTGTGTGCAACCTGATATTTATGATCAAAATGTTGCTGTGTTGTTCCGA 1605
QY 1572 AATTTATATTAACCTGAAGAATAGAAAAGAGGAATGATCTTCCAA 1621
DB 1606 AAGCTTCCAAACAGAGAAAGAAAGAAAGGATTAATGATATCAAAA 1655

RESULT 3
US-09-356-806-7
; Sequence 7, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE OF INVENTION: 2B15 (UGT2B15) Genes
; CURRENT APPLICATION NUMBER: US/09/356, 806
; CURRENT FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 2092
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (38) ... (1621)
US-09-356-806-7.

Query Match 46.8%; Score 766; DB 4; Length 2092;
Best Local Similarity 68.7%; Pred. No. 2e-213;
Matches 1102; Conservative 0; Mismatches 490; Indels 12; Gaps 3;

QY 23 CATCAGAGGTGCAAGACGCTTGTGATTTCTGCTCCGACGCTCTGCT---GT 79
DB 31 CATCAGAGGTCTATGAATGACATTCCTTCTGCTGATACAGTGAAGCTTATCTT 90
QY 80 TGGCTGTGATTTCTGTGGAAAGTCCCTGTGTGCGCCCTGTGACATGAGCCATTTGCTTAA 139
DB 91 TACCTGTGGAGTGTGTGAAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 150
QY 140 TGTCAAGTCAATCTGAAAGAGCTCATPATGAGAGCCATGAGGTAAACGATTTGACTCA 139
DB 151 TATTAAGACATCTGATGATCACTTGTCCAGAGAGTCAATGAGTCACTGATATTTGGCATC 210
QY 200 CTCGAAGCCTGTGTATTTGATGACATGAGAAAGCTTGTGATTTGAATTTGAGGTGCTCA 259
DB 211 TTGAGCTTCATTTCTTTGATGATCCCAAGCCCATTAATCTTAAATTTGAAGTTATTC 270
QY 260 TATGCAACAGACAGAAAGAAATGAAATGATTTGTTGACCTAGCTCTGA-----A 313
DB 271 TGTATTTTAACTTAAAGATGATTTGAGATATTAATCAAGCAGCTGTAAAGATGAGGC 330
QY 314 TGTCTTGGCAGCTTATCACTGCGAATGATTAATTAATTAATGATTTTGTGTA 373
DB 331 AGAATCTTCCAAAGACATTTTGTGATATTTTGTCAAGTCAAGATCAAGAAATCAATGTGAC 390
QY 374 AATTAAGAGAACTTTAAATGATGTGTGAGCTTATCTACAAATCAAGCGCTTATGAA 433
DB 391 AATTAATGACATCTTAAGAAAGTGTGTGATGATTAATGATTTCAAAATGAAGAACTTAATGAA 450
QY 434 GAAGCTACAGAAACCAACTACATGATTAATGCTTATGAGCCCTGTGATTTCCCTGTGAGA 493
DB 451 GAAACTACAGAGATCAAGATTTGATGTGTGTTGAGATGCTGTTTCCCTTTGGTGA 510

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QY 494 CTTGATGGCTGAGTGGCTTGCAAGTCCCTTTTGTGCTCACTTAGAATTTCTGAGAGG 553
 DB 511 GCTGCTGCGGAGTTACTTAAATACCTTTGTCTACAGCTCCGCTTCTCTCTGAGCTA 570
 QY 554 CAATATGAGAGGAGCTGTGGAAACTTCCAGCTCACTTCTATGTAAGTGTGCTAT 613
 DB 571 CGCAATTTGAAAGCATAGTGGAGGACTTGTCTCTCTCTATGCTGTGTTAT 630
 QY 614 GACGAGCTAAACAGACGAATGACCTTTGTGAAAAGTAAATTCATAGCTTCAAGT 673
 DB 631 GTCAGAACTAAGTACCAATGACTTTCATAGAGAGGTAAATAATGATCTATGCT 690
 QY 674 TTGTTCCACTTCTGAGTTCAGATTCAGATTCATTTTGGAGAGGTTTATAGTAA 733
 DB 691 TTATTTGAAATTTGGTTCCAAAATTTGACATAGAGAGGATGAGTTCTACAGTGA 750
 QY 734 GGCATTAGAGAGCCCACTACATTATGTGAGACTGTGGAAAAGCTGAGATAGCTTAT 793
 DB 751 AGTTCTAGAAAGCCCACTAGTATCTGAGACATAGGCAAAAGCTGACATATGCTTAT 810
 QY 794 ACGAATCTATTTGGATTTTGAATTTCTCAACCATACCACTTATGAGTTTGTGG 853
 DB 811 TCGAACTACTGGGATTTTCAATTTCTCAACCACTCTTACCAATGTGAGTCTTGG 870
 QY 854 AGGATGCACTGTAAACCTGCCAAAGCTTGGCTTAAAGGAAATGGAATTTTGTCCAGAG 913
 DB 871 AGGACTCAGCTGCAAACTGCGCAAAACCCCTACCGAAGAAATGGAAGTTTGTCCAGAG 930
 QY 914 TTCAAGGAAAGATGTATGTGTGTCTCTGAGGCTCACTGTGTTCAAAATGTTACAGA 973
 DB 931 CTCTGAGAAATAGTGTGTGTGTCTCTGAGGCTGATGTGATGATACAGTCA 990
 QY 974 AGAAAGGCTTAATTCATTTGCTTCAAGCTTGGCCCAATCCCAAGAAAGTGTATAGAG 1033
 DB 991 AGAAAGGCTTAATTCATTTGCTTCAAGCTTGGCCCAATCCCAAGAAAGTGTGTAGAG 1050
 QY 1034 GTACAAAGAAATTAATCATTCACATTCAGAGCAATCTGCTGATGATGATGATACC 1093
 DB 1051 ATTTGATGGGAATTAACCAATCTTATAGACTCAATCTGCTGATGATGATGATACC 1110
 QY 1094 CCAAGATGATCTTCTGTGCTCAACCAAAACCAAGCTTTTATCACTGATGTGGAATGAA 1153
 DB 1111 CCAAGATGATCTTCTGTGCTCAACCAAAACCAAGCTTTTATCACTGATGTGGAATGAA 1170
 QY 1154 TGGGATCTATGAGACTTATTCATGAGGCTCTATGCTGAGAGTCCCATATTTGCTGA 1213
 DB 1171 TGGGATCTATGAGACTTATTCATGAGGCTCTATGCTGAGAGTCCCATATTTGCTGA 1230
 QY 1214 TCAAGCTGATTAACATGATCTCAATGAGAGCCAAAGAGAGCTGTAGAAATTAATCTCAA 1273
 DB 1231 TCAAGCTGATTAACATGATCTCAATGAGAGCCAAAGAGAGAGCTGTAGAAATTAATCTCAA 1290
 QY 1274 AACTATGACAAGCGAAGATTTACTGAGGCTTTGAGAACAGTCACTTACCGATCTCTTA 1333
 DB 1291 CACAATGTGAGGTAAGAGCTTACTCAATGACAGTGAAGAGTATATGATCTCTTATA 1350
 QY 1334 TAAAGAAATGCTATGAGATTAATCAAGATTCACATGATTAACCTGTAAAGCCCTTGA 1393
 DB 1351 TAAAGAAATGCTATGAGATTAATCAAGATTCACATGATTAACCTGTAAAGCCCTTGA 1410
 QY 1394 TCGAGAGCTCTTGTGATGAGTTCATGAGGCTTGCAGCAAAAGAGAGCCAGCTGCAATC 1453
 DB 1411 TCGAGAGCTCTTGTGATGAGTTCATGAGGCTTGCAGCAAAAGAGAGCCAGCTTCCGGT 1470
 QY 1454 AGCTGCCATGAGCTCACTGAGTTCAGAGCACTACTCTATAGATGATGAGTGGGTTCTGCT 1513
 DB 1471 TCGAGCCAGAGCTCACTGAGTTCAGAGCACTACTCTATAGATGATGAGTGGGTTCTGCT 1530
 QY 1514 GACTGTGTGAGCACTGCTATATCTGTTGCAAAATGTTTTTATTTTCTGTCAAAA 1573
 DB 1531 GGCCTGTGTGAGCACTGCTATATCTATCATCAAAATGTTTTGTTGTCTG---GAA 1587

QY 1574 ATTTAATAAAATAGAAAGATAGAAAAGAGGAATAGATCTTTC 1617
 DB 1588 GTTTGTTAGAAACAGAAAGAGGAGAAAGAAATTAATTAATGCTC 1631
 RESULT 4
 US-09-356-806-39
 / Sequence 39, Application US/09356806
 / Patent No. 6586175
 GENERAL INFORMATION:
 / APPLICANT: Penny, Laura
 / APPLICANT: Galvin, Margaret
 / APPLICANT: Miller, Andrew
 / APPLICANT: Reidy, Michael
 / TITLE OF INVENTION: Genotyping Human
 / TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
 / FILE REFERENCE: SEQ-22PRV2
 / CURRENT APPLICATION NUMBER: US/09/356,806
 / NUMBER OF SEQ. ID NOS: 164
 / SOFTWARE: FastSeq for Windows Version 3.0
 / SEQ ID NO 39
 / LENGTH: 1854
 / TYPE: DNA
 / ORGANISM: H. sapiens
 / FEATURE:
 / NAME/KEY: CDS
 / LOCATION: (15)...(1584)
 US-09-356-806-39
 Query Match 45.8%; Score 750; DB 4; Length 1854;
 Best Local Similarity 67.6%; Pred. No. 8,9e-209;
 Matches 1085; Conservative 0; Mismatches 510; Indels 9; Gaps 2;
 QY 23 CATCATGAGGCTGACAGTCACTGCTTGTGATTTCTGCTCTGAGCT---CTTGTGT 79
 DB 8 CACGAGATGTCTGTGAATGAGCTTCAATTTGCTAATCACTGAGCTTTGCTT 67
 QY 80 TGGCTGTGATTTCTGTGGGAAAGTCCGTGCTGCTGCTGCTGAGATGAGCATGGCTTAA 139
 DB 68 TACCTGTGGAATGTGTGAAAGGTGCTGTGTGGGAGCAATATACAGCAATGGATGAA 127
 QY 140 TGTCAAGGATCATTTAGAAAGAGCTCATATGAGAGGCGCATGAGTAACTATTAATGCTCA 199
 DB 128 TATTAAGACAATCTGTATAGCTTATTCAGAGAGCTCATGAGTGACTGTACGAGATC 187
 QY 200 CTCAAGCTTCTGTAAATGATCAAGAAAGCTTGTGATGAAATTTAGAGGTGCTCA 259
 DB 188 TTCAAGCTTCAATCTTTTGTATCCCAACAATCATCCGCTTAAATTTGAAATTTATCC 247
 QY 260 TATGCCACAGAGACAGAACAAAGAAATGAATATTTGTGACTGACTGCA-----A 313
 DB 248 CACATCTTTAATCTAAACCTGAGTTGAGAAATTTCAATCATCAACAGATTAAGAGATGTC 307
 QY 314 TGTCTGCCAGGCTTATCACTGSCAATCAGTTATTAATTAATGATTTTGTGTA 373
 DB 308 AGACCTTCCAAAAGATACATTTTGTGTATTTTTCACAGTACAGAAATCATGTCAT 367
 QY 374 AATTAAGGAACCTTTAAATTAATGATGTGAGAGCTTATCTACATCAAGCGCTTATGAA 433
 DB 368 ATTTGGAGATTAATCTGAAGAGTTCTGTAAAGATGTAGTTTCAAAATTAAGAAATTTAGAA 427
 QY 434 GAAGCTACAGAAACCACTACATGATTAATGCTTATGACCCGTGATTCCTCGTGAGA 493
 DB 428 AAAAGTACAAAGATCAAGATTTGACATTTTGGAGAGCTTATTTTCTCTGTATGTA 487
 QY 494 CTTGATGGCTGAGTGGCTTGCAGTCCCTTTGTGCTCACTTAAATTTCTGTAGAGG 553
 DB 488 GCTGCTGAGAGCTATTTAAATACCTTTGTGTACAGTCTCACTCTCTCTGAGCTA 547
 QY 554 CAATATGAGAGCAAGCTGTGGAAACTTCAAGCTCACTTCTATGATCTGTGCTAT 613

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Db      548 CACTTTTGAAGAAGCATAGTGGAGGATTTATTTTCCCTCTCTTCTCACTGACCTGTTGTAT 607
Qy      614 GACAGGACTAAGACGAGAAATGACCTTCTGGAAAAGTAAATTCATGCTTTAGT 673
Db      608 GTCAAGATTAACATGATCAAAATGATTCATGAGAGAGGGTAAATAATGATCTATGTGCT 667
Qy      674 TTTGTTCCACTTCTGATTCAGATTCAGACTATCATTTTGGGAAAGTTTATATCTAA 723
Db      668 TTACTTTGACTTTTGGTTCGAAATATTTGACATGAGAAAGTGGGATCGTTTATAGTGA 727
Qy      734 GGCATTGAGAAAGGCCCTACATTATGAGACTGTGGAAAAGCTGAGATATGCTAAT 793
Db      728 AGTTCTAGAAAGCCCACTACATATCTGAGACAAATGGGAAAGCTGACGTATGGCTTAT 787
Qy      794 AGCAACATATGGGATTTTGAATTTCTCAACCACTAACCACTTACCTTTGATTTGG 853
Db      788 TCGAAACTCTGGAAATTTTCAATTCATTCCTTCAACAAATGTGATTTTGTGG 847
Qy      854 AGGATTGCACTGTAAACCTGCAAAAGCTTGGCTTAAAGAAATGGAATTTTGTCCAG 913
Db      848 AGGACTCCACTGCAAACTGCAAAAGCTTGGCTTAAAGAAATGGAATTTTGTACGAG 907
Qy      914 TTCAAGGAAAGATGTATGTGTGTGTCTGTGGGGTCACTGTTCAAAATGTTCAGA 973
Db      908 CTCTGAGAAATGTGTGTGTGTGTCTGTGGGGTCAATGTGTCAATGACAGAGA 967
Qy      974 AGAAAGGCTTAATATCTTGTCTTCAAGCTTGGCTTCCAGATCCCAAGAGGTGTATGAG 1033
Db      968 AGAAAGGCTTAATATCTTGTCTTCAAGCTTGGCTTCCAGATCCCAAGAGGTGTATGAG 1027
Qy      1034 GTCAAAAGAAAGAAACCATTCACATTAAGAGCCCAATCTCGGCTGTATGATTTGATACC 1093
Db      1028 ATTTGATGGAATTAACCAATGATCTTAACTGCTCAATCTCGGCTGTATGATTTGATACC 1087
Qy      1094 CCAAGATGATCTTCTTGTGTATCCCAAAACCAAGCTTTTATCACTCATGCTGTGAAATGAA 1153
Db      1088 CCAAGATGATCTTCTTGTGTATCCCAAAACCAAGCTTTTATCACTCATGCTGTGAAATGAA 1147
Qy      1154 TGGGATCTAATGATTTTATCAATGAGGGTCCCTATGTGTGGAAGTTCCATTTTGTGTA 1213
Db      1148 TGGGATCTAATGATTTTATCAATGAGGGTCCCTATGTGTGGAAGTTCCATTTTGTGTA 1207
Qy      1214 TCAAGTTGATTAATGCTCAATGAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCA 1273
Db      1208 TCAAGTTGATTAATGCTCAATGAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCA 1267
Qy      1274 AACATGACAAAGGAAATTTACTGAGGGCTTTGAGAAAGTCACTTATCCGATTCCTTCA 1333
Db      1268 CACAATGTGAGTACAGACTTGTGATGATGATGAGAAAGTATTAATGATGATGATGATGATGAT 1327
Qy      1334 TAAAGAGATGCTATGATGATTAATGAGAAATTCACATGATCAACTGTAAAGCCCTTGA 1393
Db      1328 TAAAGAGATGCTATGATGATTAATGAGAAATTCACATGATCAACTGTAAAGCCCTTGA 1387
Qy      1394 TCGAGAGTCTTCTGATGAGTGTGATGAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAG 1453
Db      1388 TCGAGAGTCTTCTGATGAGTGTGATGAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAG 1447
Qy      1454 AGCTGCCATGACCTCACTGTTTCCAGCACTACTCTATGATGATGATGATGATGATGATGATGAT 1513
Db      1448 TCGAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAG 1507
Qy      1514 GACCTGTGTGCACTGCTATATTTCTTGTTCAGAAATGTTTTTATTTTCTGTGCAAA 1573
Db      1508 GGTCTGTGTGCACTGCTATATTTCTTGTTCAGAAATGTTTTTATTTTCTGTGCAAA 1567
Qy      1574 ATTAAATTAATAGAAAGATAGAAAGAGGAAATGATCTTTC 1617
Db      1568 GTTGTCTAGAAAGCAAGAGGAAAGAAATGATGATGATGATGATGATGATGATGATGATGATGAT 1611

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RESULT 5
US-09-813-918-1

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; Sequence 1, Application US/09813918
; Patent No. 6383789
; GENERAL INFORMATION:
; APPLICANT: WEBSTER, Marion et al.
; TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL001175
; CURRENT APPLICATION NUMBER: US/09/813,918
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1413
; TYPE: DNA
; ORGANISM: Human
; US-09-813-918-1

Query Match      35.1%; Score 574; DB 4; Length 1413;
Best Local Similarity 78.4%; Pred. No. 1,7e-157;
Matches 688; Conservative 0; Mismatches 190; Indels 0; Gaps 0;

Qy      743 AAGGCCCACTAATATGATGAGCTGTGGAAAAGCTGAGATATGCTAATACGACATTA 802
Db      520 AGACCCACTACTTATTTGAGACATGAGAAAAGCTGACATATGCTTATGGAACCC 579
Qy      803 TTGGAGTTTGAATTTCTCAACCATACCACTTAACTTGAATTTGTTGAGGATTTGA 862
Db      580 CTGAGATTTTCAATTTCTCATCATCTTCAACCAAGTTATTTGTTGAGGATTTGA 639
Qy      863 CTGTAAACCTGCCAAAGCTTTGCTTAAAGAAATGGAATTTTGTTCAGAGTTTCAAGGGA 922
Db      640 CTGCAAACTGCCAAAGCTTTGCTTAAAGAAATGGAATTTTGTTCAGAGTTTCAAGGGA 699
Qy      923 AGATGATTTGATGATTTTCTCTGAGGCTCACTGTTTCAAAATGTTACAGAAAGAAAGG 982
Db      700 AAATGATTTGATGATTTTCTCTGAGGCTCACTGTTTCAAAATGTTACAGAAAGAAAGG 759
Qy      983 TAATATCATTTGCTTCAAGCTTTCAGGATCCCAAGATCCCAAGAGGTGTTATGAGGTAACAAAG 1042
Db      760 CAATGATTTGCAAGAGCTTTCAGGATCCCAAGATCCCAAGAGGTGTTATGAGGTAACAAAG 819
Qy      1043 AAAAAACATCACTATTTGAGACCAATCTGAGCTGTATGATGATATCCCAAGATGA 1102
Db      820 GAATAAACAGATGCTTGTGATCTCAATCTGAGCTGTATGATGATATCCCAAGATGA 879
Qy      1103 TCTTGTGATCCCAAAAGCTTTTATCACTCATGAGGAAATGATGAGGATCTTA 1162
Db      880 CTTTGTGATCCCAAAAGCTTTTATCACTCATGAGGAAATGATGAGGATCTTA 939
Qy      1163 TGAAGTATTTACATGAGGCTTCTATGAGGAGTTTCCATATTTGTTGATCAGCTTGA 1222
Db      940 TGAAGTATTTACATGAGGCTTCTATGAGGAGTTTCCATATTTGTTGATCAGCTTGA 999
Qy      1223 TAAATAGCTCACTGAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAG 1282
Db      1000 TAAATAGCTCACTGAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAG 1059
Qy      1283 AAGCGAAGTTTACGAGGCTTTTGAAGCAGCTTACGATTCGATTCCTTATTAAGAGA 1342
Db      1060 GAGTACAGCTCTGAGGATGAGCTGAGCAGTAAATTAATGATCTTTATTAAGAGA 1119
Qy      1343 TGTATGATTAATCAAGAAATTCACATGATCACTGTAAAGCCCTGATGAGCAGT 1402
Db      1120 TATTAATTAATTAATCAAGAAATTCACATGATCACTGTAAAGCCCTGATGAGCAGT 1179
Qy      1403 CTTTGTGATGATTTGTATGAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAG 1462
Db      1180 CTTTGTGATGATTTGTATGAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAG 1239
Qy      1463 TGACCTCACTGATTCAGACATCACTTATGATGATGATGATGATGATGATGATGATGATGAT 1522

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Db 1240 TGACCTCAGCTGGTTCAGTACCACTTTGATGATGGTTCCTGCGCCTGTGT 1299
Qy 1523 GGCACTGCTATATCTCTGTTTCAAAAAGTTTTTATTTTCCGTCAAAATTTATA 1582
Db 1300 GGCACTGCTATATCTCTGTTTCAAAAAGTTTTTATTTTCCGTCAAAATTTATA 1582
Qy 1583 AACTAGAAAGATAGAAAAGAGGAAATGATCTTTCCAA 1620
Db 1360 AAAAGGAAAGAGGAAAAGAAAGATTTGTTATGTCCGA 1397

RESULT 6

PCT-US92-00282-2
Sequence 2, Application PC/TUS9200282
GENERAL INFORMATION:
APPLICANT: OMENS, IDA S.
APPLICANT: RITTER, JOSEPH K.
TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION
TITLE OF INVENTION: THEREIN.
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DABRY & CUSHMAN
STREET: 1615 L STREET, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20036-5601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/00282
FILING DATE: 19920110
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: SCOTT, WATSON T.
REGISTRATION NUMBER: 26581
REFERENCE/DOCKET NUMBER: 91532-PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2339 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
PCT-US92-00282-2

Query Match 20.1%; Score 329; DB 5; Length 2339;

Best Local Similarity 52.5%; Pred. No. 6.5e-86;
Matches 79; Conservative 0; Mismatches 710; Indels 12; Gaps 3;

Qy 57 CTGCTCTGCACTCTTCTGTGTGGCTGTGATTCGTGGAAGTCTGTGTGCCCC 116
Db 46 CTGCTGCTCTCTCTCACTGTTCACACCTGTGGCTGAGGTGAAAGGTGTGTGCTCC 105
Qy 117 TGTGACATGAGCCATTGCTTAATGTCAAGTCTATTCAAGAGCTCATAGTGAAGGC 176
Db 106 ACTGATGACAGCCCTGCTGACATGCGGAGGCTTGGCGAGCTTCATGCGAGGC 165
Qy 177 CATAGGTAACAGTATGACTCACTCAAGCCTTGCTTAATGACTACAGAGCCTTCT 236
Db 166 CACAGCGGTGTGCTTCACTCACTCAAGAGGTGAATATGACATCAAGAGAAATTTTTC 225
Qy 237 GCATGAAATTTGAGTGTGCTCATATGCGACAGACAGAAAGAAATGAAATTTT 296
Db 226 ACCCTGACAGCTATGCTGTTCATGAGCCAGAA-----GGAATTTGATCGGTTACG 279

Qy 297 GTTACCTAGCTCTGTAATGCTTTGCCAGGCTTAATCAACCTGGCAATCACTTAATAATTA 356
Db 280 CTGGGCTACACTCAAGAGGTCTTTGAAACAGAACATCTCTGAAGATATTTAGAAAGT 339
Qy 357 AATGATTTTTTGTGTAATTAAGAGAACTTTAAATATGATGTGAGAGCTTATCTAC 416
Db 340 ATGGCAATTAAGAACATATCTTTGGCTTCATAGAGTGTGTGAGAGCTACTGCAAT 399
Qy 417 AATCAGAGCTTAATGAAGAGCTACAGAAACCAATCAAGATTAATGCTTATAGACCT 476
Db 400 AATGAGCCCTGATGACAGACCTGGAATGCTACTCTCTTGATGTGTTTAAAGACGCC 459
Qy 477 GTGATTCCTGTGAGACCTGATGCTGATGCTTGTGACAGTCTTTGTGTCTACACTT 536
Db 460 GTTAACCTCTGGGGGCGGTGCTGCTAAGTACTGCTGATCTCTCTGTGT---TTTT 516
Qy 537 AGAATTTCTGTAGAGGCAATATGAGCGAAGCTGTGGGAACTTCAGCTCCACTTTC 596
Db 517 TGAAGGTACATTCAGATGACTTAAGCTTTAAGGGAACACAGTGTCCAAATCTTCTCC 576
Qy 597 TATGTACCTGTGCTTNGACAGAGCTAACAGACAGAAATGACCTTTCTGAAAGATPAA 656
Db 577 TATATCTTAAGTACTTAAGACCAATTCAGACACATGACATCTCTGCAAGGCTCAG 636
Qy 657 AATTCATGCTTCAAGTTTGTTCACCTTGTGATTCAGATTAAGCATATCTTTGG 716
Db 637 AAC---ATGCTTACCTCTGGGCTGTGCTTCAATTTGCACTTTTCTGCCCCCTAT 693
Qy 717 GAAGATTTTATATGTAAGGATTAAGAGGCCACATCAATATGTAAGCTGTGGAAA 776
Db 694 GCAAGTCTTGCCTGCTGAGCTTTTTCAGAGAGGTGTGAGTGTGATCTTGACAGTAT 753
Qy 777 GCTGATATAGGCTTAATACGAATATGAGATTTTGAATTTCTCAACCATACCACT 836
Db 754 GCATCCGTGTGCTGTTCGAGAGGACTTTGTATGATGATCACTACCCAGCCGATATGCC 813
Qy 837 AACTTGAATGTTGTGAGAGATTCATCTGTAACCTGCAAGCTTGTCTTAAGAAATG 896
Db 814 AATCATGTCTTCAATTTGGGGCATCACTGTGCCAAGGGAAGCACATCTCAGAAATTT 873
Qy 897 GAAATTTTGTCCAGAGTTCAAGGGAAGATGATTTGTGTGTTTCTGTGGGTCACTG 956
Db 874 GAAGCTTACATTAATCTCTGGAAGAACATGAAATGTGTGTTTCTTTGGGATCAATG 933
Qy 957 TTTCAAAATGTCAGAGAAAGAGCTTAATATGATGCTTCAAGCCTTGGCCAGATCCCA 1016
Db 934 GCTTCAGAAATTCAGAGAAAGAGCTTAATGCAATTTGTGATCTTTGGCAAAATCTCT 993
Qy 1017 CAGAGGTGTTATGAGATCAAGAGAAAGAAACCAATCCATTAAGAGCCAAATCTGG 1076
Db 994 CAGACAGTCTGTGGGGTACCTGGAACCCGACATCGAATCTTGCAGAACACAGATA 1053
Qy 1077 CTGTATGATGATATCCCGAATGATCTTCTGTGATCTCCCAAAACCAAGCTTTATC 1136
Db 1054 CTGTATGATGATATCCCGAATGATCTTCTGTGATCTCCCAAAACCAAGCTTTATC 1113
Qy 1137 ACTCATGTGAGATGATGAGGATCTATGAAGCTATTTTCAAGAGGCTCTTATGTGGGA 1196
Db 1114 ACCATGCTGTGTTCCATGTGTTTATGAAGATATGCAATGCGTTCCTCATGTGTATG 1173
Qy 1197 GTTCCATATTTGTGATGATGATGATTAACATGATCAATGAAGCCAAAGAGAGCT 1256
Db 1174 ATGCCCTGTGTTGTGATGATGATGATCAATGCAAGAGGATGAGATGAGAGGCTGGA 1233
Qy 1257 GTAGAAATTAACCTTCAAACTATGACAGGAAAGATTTTACTGAGGCTTTGAACAATC 1316
Db 1234 GTGACCTGATATGTTGTGAATGACTTCTGAAGATTTTGAAGATGCTTAAAGAGCTC 1293
Qy 1317 ATTAAGATTCCTTATTAAGAAATGCTATGATGATTAATCAAGATTTCAACATGATCAA 1376
Db 1294 ATCAATGACAAAGTTTACAGAGAAACATGAGGCGCTCTCAGACCTTCAAGAGACCGC 1353
Qy 1377 CTGTAAAGCCCTTAATGACAGAGCTTCTGTGATGAGATTTGTCAATGCGCACAAAGGA 1436

Db 1354 CCGGTGAGCCGCTGACCTGGCCGCTGCTGAGTGTGATGAGGACCAAGGGC 1413
 Qy 1437 GCCAAGCACTGCGATGACGCTGCCAATGACCTGCTTCCAGACACTACTATAGAT 1496
 Db 1414 GCGCCACACTGGCGCCCGGACGCCAGACCTGACCTGATACCAATTCCTTGAGAC 1473
 Qy 1497 GTGATTTGGGTTCTGCTGACCTGCTGAGCACTGTATATTTCTTGATCAAAATGTTTT 1556
 Db 1474 GTGATTTGGTTCCTCTTGCGCCGCTGCTGACAGTGGCTTCATCACTTTAAATTTGT 1533
 Qy 1557 TTAATTTCTGTCAAAAT 1575
 Db 1534 GCTTATGGCTACCGAAAT 1552
 RESULT 7
 PCT-US92-00282-1
 ; Sequence 1, Application PC/TUS920282
 ; GENERAL INFORMATION:
 ; APPLICANT: OWENS, IDA S.
 ; APPLICANT: RITTER, JOSEPH K.
 ; TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION
 ; TITLE OF INVENTION: THEREIN.
 ; NUMBER OF SEQUENCES: 40
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: CUSHMAN DARBY & CUSHMAN
 ; STREET: 1615 L STREET, N.W.
 ; CITY: WASHINGTON
 ; STATE: D.C.
 ; COUNTRY: U.S.A.
 ; ZIP: 20036-5601
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US92/00282
 ; FILING DATE: 19920110
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: SCOTT, MATSON T.
 ; REGISTRATION NUMBER: 26581
 ; REFERENCE/DOCKET NUMBER: 91532-PCT
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-861-3000
 ; TELEFAX: 202-822-0944
 ; TELEX: 6714627 CUSH
 ; INFORMATION FOR SEQ. ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2336 base pairs
 ; TYPE: NUCLEIC ACID
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; PCT-US92-00282-1
 Query Match 19.5%; Score 319.8; DB 5; Length 2336;
 Best Local Similarity 52.5%; Pred. No. 3, 1e-83;
 Matches 777; Conservative 0; Mismatches 692; Indels 12; Gaps 3;

Qy 275 AACAGAGAAATGAATATTTTGTGACCTGATGAAATGCTTGCAGGCTTATCAAC 334
 Db 255 GAGAGATGAGAAAGACTCTTTTGTATGCTCGGGCAATATGTTTGAAGATGATCTTT 314
 Qy 335 CTGGCAATCAGTTATATAATTAATGATTTTTTGTGAAATAGAGAACTTTAAATAAT 394
 Db 315 CCGGACGCGTGATCAAAACATCAAGAAATATAAAGAGACTGCTATATGCTTTTGC 374
 Qy 395 GATGTGTGAGACTTATATCAATCAAGACTTATGAAGAACTACAGAAACCAACTA 454
 Db 375 TGGCTGTTCCCACTTACTGCAACAAGAGCTCATGCTCCCTGGCAGAAAGCAGCT 434
 Qy 455 CGATGTAATGCTTATAGACCTGATTTCCCGTGGAGACCTGATGCTGATGCTTTC 514
 Db 435 TATGTGATGCTGAGGACCTTTCTTCTTGACGCCCATGCTGGCCAGTACCTGTC 494
 Qy 515 AGTCCCTTTTGTCTACACTAGAAATTTCTGAGAGGCAATATGAGACGAGCTGTGG 574
 Db 495 TCTGCCCACTGATTC---TTCTGATGACACTGGCATGACCTGGAATTTGAGGCTAC 551
 Qy 575 GAACTTCCAGCTCACTTCTGATGATCTGTGCTTATGACAGACCTTAACAGAGAAAT 634
 Db 552 CCAGTGCCCAACCATCTCTCACTGCGCAGGCTCTCTCTCATTCAGATCAAT 611
 Qy 635 GACCTTCTGGAAGAGTAAATTAATCAATGCTTTCAGTTTGTCCACTTGTGATTC 694
 Db 612 GACCTTCTGCAAGCGGTGAAGAA--CATGCTCATGCTTTTCAACAACCTTCTGTG 668
 Qy 695 GGAATACGACTATCATTTTGTGGAAGAGTTTATATAGTAAAGCATTAGAAAGCCCACTAC 754
 Db 669 CGACGTGTTTATTTCCCGTATGCAACCTTCCACAGATTCCTTCAGAGAGAGTGAC 728
 Qy 755 ATTATGTGAGACTGTGGGAAAGCTGAGATATGCTTAATACAGACATATTTGAAATTTGA 814
 Db 729 TGTCCAGACCTATTGAGCTGCACTGTCTGCGCTTTTGAAGTACCTTTGTGAAGA 788
 Qy 815 ATTTCTCAACCATACCACTTAATTTGATTTGTGGAAGATTCAGCTGTAAACCTGC 874
 Db 789 TTACCTTAGGCCCCATCAATGCCCCAATATGTTTGTGTGGAATCACTGCTTCAACA 848
 Qy 875 CAAGCTTTGCTTAAGAAATGAATAATTTGTCCAGAGTTTCAAGGGAATGATATTTGT 934
 Db 849 AATTCATATCCAGAAATTTGAAGCTTCACTTAATGCTTTTGAAGAAATGAAATTTGT 908
 Qy 935 GGTGTTTCTCTGGGCTCATGTTTCAAAATGTTACAGAGAAAGCTAATATCATTTGC 994
 Db 909 GGTTTTCTCTGGGATCAATGCTCAAGAAATTCAGAGAAAGCTATGSCAATTGC 968
 Qy 995 TTCAAGCTTGGCCGATTCACAGAGAGTGTATGAGAGTTCAGAAAGAAAAACATC 1054
 Db 969 TGAATCTTGGGCAAAATCCCTCAACAGCTCTGTGGGGTCACTGTGAACCCGACATC 1028
 Qy 1055 CACATTAGAGCAATATCTCGGCTGATGATGAAATCCCGAGAAATGATCTTCTTGSTCA 1114
 Db 1029 GAATCTTGGAACCAACAGATATCTTTAATGCTTACCCCAAAACGATCTGCTGTGCTA 1088
 Qy 1115 TCCCAAAACCAAGCTTTTATCACTCATGTGTGAATGAATGGATCTATGAAGCTATTTTA 1174
 Db 1089 CCGATGACCGGTGCTTTATACCCATGCTGTTCCCATGCTGTTTATGAAGACATATG 1148
 Qy 1175 CCATGGGCTCCTATGCTGGAGAGTTCCCATATTTGCTGATCGCTTGATACATGCTCA 1234
 Db 1149 CAATGCTTCCCAATGATGATGCTCTTGTGTGTATCAATGAGCAATGCAAGG 1208
 Qy 1235 CATGAAGGCAAAAGAGAGCTGTGAATATACTCAAAATATATGACAAAGGAGATTT 1294
 Db 1209 CATGAGACTAAGGAGCTGAGATGACCTGAATGTTCTGGAATGATCTTCTGAAGATTT 1268
 Qy 1295 ACTGAGGCTTTGAGAACAGTATTAACGATTCCTTTATGAAGAAATGCTATGAGATT 1354
 Db 1269 AGAAATGCTCTTAAAGAGATCATATGACAAAGTTTAAAGAGAAATCATGAGCGCCT 1328

QY 1355 ATCAAGATTACCATGATCAACCTGTAAAGCCCTAGATCGACAGTCTTGTGATCGA 1414
DB 1329 CTCACGCTTCAAGAGGACCGCCGCGTGGAGCCGCTGACCTGGCCGTCTTGGGTGGA 1388
QY 1415 GTTGTGATGCGCCACAAAGAGCCCAAGACCTGCGATGAGTCCCACTCACTTG 1474
DB 1389 GTTGTGATGAGGACAAAGGCGCCGACACCTGCGCCGACGCCCACTCACTTG 1448
QY 1475 GTTCCAGCACTACTCTATATGATGATGATGATGATGATGATGATGATGATGAT 1534
DB 1449 GTACCAAGTACATCTCTTGAAGTATGATGATGATGATGATGATGATGATGATGAT 1508
QY 1535 ATCTGTTCACAAATGTTTATTTTCTGTCAAAAT 1575
DB 1509 CTTCATCCTTTAAATGTTGTGCTTATGCTACCGGAAT 1549

RESULT 8

US-09-671-317-388/c
Sequence 388, Application US/09671317
Patent No. 6528260
GENERAL INFORMATION:
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
APPLICANT: Bouguerelet, Lydie
APPLICANT: Cohen, Annick
TITLE OF INVENTION: BIALLERIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
FILE REFERENCE: 62. US3. CIP
CURRENT APPLICATION NUMBER: US/09/671,317
CURRENT FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 09/536,178
PRIOR FILING DATE: 2000-03-23
PRIOR APPLICATION NUMBER: PCT/IB00/00403
PRIOR FILING DATE: 2000-03-24
PRIOR APPLICATION NUMBER: US 60/126,269
PRIOR FILING DATE: 1999-03-25
PRIOR APPLICATION NUMBER: US 60/131,961
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 977
SOFTWARE: Patent.pm
SEQ ID NO 388
LENGTH: 1001
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: allele
LOCATION: 501
OTHER INFORMATION: 12-906-149 : polymorphic base A or G
NAME/KEY: misc_binding
LOCATION: 482..500
OTHER INFORMATION: 12-906-149..m181
NAME/KEY: misc_binding
LOCATION: 502..521
OTHER INFORMATION: 12-906-149..m182, potential complement
NAME/KEY: primer_bind
LOCATION: 353..372
OTHER INFORMATION: upstream amplification primer
NAME/KEY: primer_bind
LOCATION: 809..829
OTHER INFORMATION: downstream amplification primer, complement
NAME/KEY: misc_binding
LOCATION: 489..513
OTHER INFORMATION: 12-906-149 potential probe
NAME/KEY: misc_feature
LOCATION: 750,853..854,860,942,945
OTHER INFORMATION: n=a, g, c or t

US-09-671-317-388

QY Query Match 19.5%; Score 319.2; DB 4; Length 1001;
Best Local Similarity 93.5%; Pred. No. 3e-83;
Matches 333; Conservative 0; Mismatches 23; Indels 0; Gaps 0;
1 GATCAGGTGTGAGGAACTGCTCATGAGGTCTGACAGTCAAGTCTTGGTATTCTGC 60

DB 356 GATCAGGTGTGAGGAAATGTCATCATGAGGCCGAGAAATGACCTTGTGATTTCCGC 297
QY 61 TCTTGAGCTCTTCTGTGTGCTGTGATTCGTGAGGAAAGTCCGTGAGCCCTGTG 120
DB 296 TCTTGAGCTCTTCTGTGTGCTGTGATTCGTGAGGAAAGTCCGTGAGCCCTGTG 237
QY 121 ACATGACCATTTGGCTTAATGTCAGATCATTTCTAGAAAGCTCATAGTAGAGCCATG 180
DB 236 ACATGACCATTTGGCTTAATGTCAGATCATTTCTAGAAAGCTCATAGTAGAGCCATG 177
QY 181 AGGTAAAGTATTTACTCACTCAAGCTTCTGTTAATGATCACTACAGAAAGCTTCTGCAT 240
DB 176 AGGTAAAGTATTTACTCACTCAAGCTTCTGTTAATGATCACTACAGAAAGCTTCTGCAT 117
QY 241 TGAATTTGAGGTGTCATATGTCACAGAGACAGACAGAAATGAAATTTGTTG 300
DB 116 TGAATTTGAGGTGTCATATGTCACAGAGATTAACAGAAATGAAATTTGTTG 57
QY 301 ACCTAGCTCTGAATGCTTTCGACGCTTATCAACCTGCGAATCATTAATAATTA 356
DB 56 ACCTAGCTCTGAATGCTTTCGACGCTTATCAACCTGCGAATCATTAATAATTA 1

RESULT 9

US-09-671-317-389/c
Sequence 389, Application US/09671317
Patent No. 6528260
GENERAL INFORMATION:
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
APPLICANT: Bouguerelet, Lydie
APPLICANT: Cohen, Annick
TITLE OF INVENTION: BIALLERIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
FILE REFERENCE: 62. US3. CIP
CURRENT APPLICATION NUMBER: US/09/671,317
CURRENT FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 09/536,178
PRIOR FILING DATE: 2000-03-23
PRIOR APPLICATION NUMBER: PCT/IB00/00403
PRIOR FILING DATE: 2000-03-24
PRIOR APPLICATION NUMBER: US 60/126,269
PRIOR FILING DATE: 1999-03-25
PRIOR APPLICATION NUMBER: US 60/131,961
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 977
SOFTWARE: Patent.pm
SEQ ID NO 389
LENGTH: 1001
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: allele
LOCATION: 501
OTHER INFORMATION: 12-906-154 : polymorphic base A or C
NAME/KEY: misc_binding
LOCATION: 481..500
OTHER INFORMATION: 12-906-154..m181, potential
NAME/KEY: misc_binding
LOCATION: 502..521
OTHER INFORMATION: 12-906-154..m182, potential complement
NAME/KEY: primer_bind
LOCATION: 348..367
OTHER INFORMATION: upstream amplification primer
NAME/KEY: primer_bind
LOCATION: 804..824
OTHER INFORMATION: downstream amplification primer, complement
NAME/KEY: misc_binding
LOCATION: 489..513
OTHER INFORMATION: 12-906-154 potential probe
NAME/KEY: misc_feature
LOCATION: 745,848..849,855,937,940
OTHER INFORMATION: n=a, g, c or t

US-09-671-317-389

US-09-671-317-389

Query Match 19.2%; Score 314.2; DB 4; Length 1001;
 Best Local Similarity 93.4%; Pred. No. 8.7e-82;
 Matches 388; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 1 GATCAGTGTGTGAGGAACTGCCATCATGAGTCTGCAAGTCAAGCTTTGGTATTTCTGC 60
 DB 351 GATCAGTGTGTGAGGAACTGCCATCATGAGTCTGCAAGTCAAGCTTTGGTATTTCTGC 292
 QY 61 TCCTGCACTCTTCTGTGTGCTGTGATTTCTGTGAGAAAGTCTGTGCTGCTGTG 120
 DB 291 TCCTGCACTCTTCTGTGTGCTGTGATTTCTGTGAGAAAGTCTGTGCTGCTGTG 232
 QY 121 ACATGAGCCATGGCTTAATGTCAAGTCACTTCTAGAAAGCTCATGAGAGCCATG 180
 DB 231 ACATGAGCCATGGCTTAATGTCAAGTCACTTCTAGAAAGCTCATGAGAGCCATG 172
 QY 181 AGGTAACTGATTTGACTCACTCAAGCTTCTGTTAATTTGACTACAGAAAGCTTCTG 240
 DB 171 AGGTAACTGATTTGACTCACTCAAGCTTCTGTTAATTTGACTACAGAAAGCTTCTG 112
 QY 241 TGAATTTGAGTGTGCTCATATGCAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
 DB 111 TGAATTTGAGTGTGCTCATATGCAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 52
 QY 301 ACTGACTGATGATGCTTCTGCTGAGGCTTATCAACCTGGCAATCACTTATTA 351
 DB 51 ACTGACTGATGATGCTTCTGCTGAGGCTTATCAACCTGGCAATCACTTATTA 1

RESULT 10

US-09-305-856B-17
 / Sequence 17, Application US/09305856B
 / Patent No. 6479236
 / GENERAL INFORMATION:
 / APPLICANT: Penny, Laura
 / APPLICANT: Galvin, Margaret
 / TITLE OF INVENTION: Genotyping the Human
 / FILE REFERENCE: 4389-7 (formerly SEQ-17CIP)
 / CURRENT APPLICATION NUMBER: US/09/305,856B
 / PRIOR FILING DATE: 1999-05-05
 / PRIOR APPLICATION NUMBER: 60/084,807
 / PRIOR FILING DATE: 1998-05-07
 / NUMBER OF SEQ ID NOS: 124
 / SOFTWARE: FastSeq for Windows Version 3.0
 / SEQ ID NO 17
 / LENGTH: 735
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / FEATURE:
 / NAME/KEY: CDS
 / LOCATION: (1)...(735)
 US-09-305-856B-17

Query Match 16.6%; Score 272.2; DB 4; Length 735;
 Best Local Similarity 62.3%; Pred. No. 1.3e-69;
 Matches 427; Conservative 0; Mismatches 258; Indels 0; Gaps 0;

QY 891 GAAATGAAATTTTGTCCAGAGTTCAGGGAGAGATGTATGTGGTCTTCTGCGG 950
 DB 1 GAAATGAAAGCTTCACTTAATGCTTCTGAGAGACATGAAATGTGTTTCTCTTGGGA 60
 QY 951 TCAGTCTTCAAAATGTTCAGAGAAAGCTAATATCATTTGCTTCAAGCCTTGGCCAG 1010
 DB 61 TCAGTGTCTCAAAATTCAGAGAAAGCTAATATGCAATTTGCTTGTGGGCAAA 120
 QY 1011 ATCCCAAGAGGTGTATGAGAGTACAAAGAAAAAACCATCCATTTAGAGCCAAAT 1070
 DB 121 ATCCCTCAGAGAGTCTGTGGCGGTACATCGAAACCCGACATCTTGTGGAAACAC 180
 QY 1071 ACTGCGTGTATGATGATATACCCAGAAATGATCTTCTGTGATCCCAAAAGCT 1130

DB 181 AGCATACTGTTAAGGGCTACCCCAAAAGCATCTGCTGTGCTACCCGATGACCGGTGC 240
 QY 1131 TTTATCATCATGAGTGTGAGATGATGAGATCTATGAAGCTATTTACATGAGGCTCTATG 1190
 DB 241 TTTATCATCATGAGTGTGCTGTGCTGTGATTTGAAAGCATATGCAATGCGCTTCCCATG 300
 QY 1191 GTGGAGTCCCATATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1250
 DB 301 GTGATATGCTCTTGTGTTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 360
 QY 1251 GCAGTGTGAAATTAATCTTCAAACTATGACAGGAGAGATTTACTAGAGGCTTTGAGA 1310
 DB 361 GGTGAGTACCTGTGAATTTCTGAGAAATGACCTTCAAAATTTAATAATGCTTAA 420
 QY 1311 ACAGTATTAACGATCTCTTATTAAGAAAGATCTATGATGATTAAGATTAACCAT 1370
 DB 421 GCAGTATCAATGACAAAGTTTACAGAGAAATCATATGCGCTCTCCAGCCTTCA 480
 QY 1371 GATCAACCTGTAAGCCCTGATGATGAGAGATGATGATGATGATGATGATGATGATGAT 1430
 DB 481 GACCGCCGCTGAGCGCTGACCTGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 540
 QY 1431 AAAGAGCCAGACCTGCGATCACTGCGCCATGACCTGCTGTGCTGCTGCTGCTGCTGCT 1490
 DB 541 AAGGCGCCGACACCTGCGCGCCGCGCCGCGCCGCGCCGCGCCGCGCCGCGCCGCGCCG 600
 QY 1491 ATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1550
 DB 601 TTGACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 660
 QY 1551 TGTGTTTATTTTCTGCTGCAAAAT 1575
 DB 661 TGTGCTTATGCTACCGAAAT 685

RESULT 11

US-09-671-317-390/C
 / Sequence 390, Application US/09671317
 / Patent No. 6528260
 / GENERAL INFORMATION:
 / APPLICANT: Blumenfeld, Marta
 / APPLICANT: Chumakov, Ilya
 / APPLICANT: Bouqueleret, Lydie
 / TITLE OF INVENTION: BIOMETRIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
 / FILE REFERENCE: 62. US. CIP
 / CURRENT APPLICATION NUMBER: US/09/671,317
 / PRIOR FILING DATE: 2000-09-27
 / PRIOR APPLICATION NUMBER: US 09/536,178
 / PRIOR FILING DATE: 2000-03-23
 / PRIOR APPLICATION NUMBER: PCT/IB00/00403
 / PRIOR FILING DATE: 2000-03-24
 / PRIOR APPLICATION NUMBER: US 60/126,269
 / PRIOR FILING DATE: 1999-03-25
 / PRIOR APPLICATION NUMBER: US 60/131,961
 / PRIOR FILING DATE: 1999-04-30
 / NUMBER OF SEQ ID NOS: 977
 / SOFTWARE: Patent.pm
 / SEQ ID NO 390
 / LENGTH: 1001
 / TYPE: DNA
 / ORGANISM: Homo Sapiens
 / FEATURE:
 / NAME/KEY: allele
 / LOCATION: 501
 / OTHER INFORMATION: 12-906-251 : polymorphic base A or T
 / NAME/KEY: misc_binding
 / LOCATION: 481..500
 / OTHER INFORMATION: 12-906-251.misl, potential
 / NAME/KEY: misc_binding
 / LOCATION: 502..521
 / OTHER INFORMATION: 12-906-251.mis2, potential complement

NAME/KEY: primer blind
LOCATION: 251..270
OTHER INFORMATION: upstream amplification primer
NAME/KEY: primer blind
LOCATION: 707..727
OTHER INFORMATION: downstream amplification primer, complement
NAME/KEY: misc binding
LOCATION: 489..513
OTHER INFORMATION: 12-906-251 potential probe
NAME/KEY: misc feature
LOCATION: 648..751..752, 758, 840, 843
OTHER INFORMATION: n=a, g, c or t
US-09-671-317-390

Query Match 13.7%; Score 223.6; DB 4; Length 1001;
Best Local Similarity 92.5%; Pred. No. 2.3e-55;
Matches 235; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 1 GATCAGGTGTGAGGAACTGCCATCATGAGTCTGACAAGTCAAGTCTTTGGTATTTCTGC 60
DB 254 GATCAGGTGTGAGGAACTGCCATCATGAGTCTGAGCCCGAAGTCAAGTCTTTGGTATTTCTGC 195
QY 61 TCCTGCACTCTTCTGTGTGCTGTGATTTCTGTGGAAGTCTGTGTGCTGTG 120
DB 194 TCCTGCACTCTTCTGTGTGCTGTGATTTCTGTGGAAGTCTGTGTGCTGTG 135
QY 121 ACATGACCATTTGGCTTAATGTCAAGTCTCTAGAGAGCTCATATGTGAGGCCATG 180
DB 134 ACATGACCATTTGGCTTAATGTCAAGTCTCTAGAGAGATCATATGTGAGGCCATG 75
QY 181 AGGTACAGTATTGACTCACTCAAGGCTTCGTAATTTGACTACAGAGAGCTTGTGCAT 240
DB 74 AGGTACAGTATTGACTCACTCAAGGCTTGTGTAATTTGACTACAGAGAGCTTGTGCAC 15
QY 241 TGAATTTGAGGTG 254
DB 14 TGAATTTGAGGTG 1

RESULT 12
US-09-356-806-114
Sequence 114, Application US/09356806
Patent No. 6586175
GENERAL INFORMATION:
APPLICANT: Penny, Laura
APPLICANT: Galvin, Margaret
APPLICANT: Miller, Andrew
APPLICANT: Reidy, Michael
TITLE OF INVENTION: Genotyping Human
TITLE OF INVENTION: UDP-glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
TITLE OF INVENTION: 2B15 (UGT2B15) Genes
FILE REFERENCE: SEQ-22PRV2
CURRENT APPLICATION NUMBER: US/09/356, 806
CURRENT FILING DATE: 1999-07-20
NUMBER OF SEQ ID NOS: 164
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 114
LENGTH: 2312
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
NAME/KEY: exon
LOCATION: (692)...(1425)
US-09-356-806-114

Query Match 12.2%; Score 200.2; DB 4; Length 2312;
Best Local Similarity 56.6%; Pred. No. 2.4e-46;
Matches 417; Conservative 0; Mismatches 308; Indels 12; Gaps 2;
QY 24 ATCATGAGTCTGACAACTGCTTTGGTATTTCTGCTCTGCAAGCTTCTGT--GTT 80
DB 696 ACCGAGATGCTCTGAAATGAGCGTCAAGTCTTCTGCTGATACAGCTCAGTTTACTTT 755

QY 81 GGCTGTGATTTCTGTGGAAGTCTGTGTGCTGCCCTGTGACATGAGCCATTTGGCTTAAT 140
DB 756 AGCTCTGGAAGCTGTGGAAGAGTGTAGTGTGCTCCACAGAAATACAGCCATTTGGATTAAT 815
QY 141 GTCAAGTCAATTTAGAGAGCTCATAGTGAAGGCCATGAGTTACAGTATTGACTCAC 200
DB 816 ATGAGACATCTCTGAGAGGCTTGTTCAGAGGGGTCAATGAGGTGACTGTGTGACATCT 875
QY 201 TCAAGCCTTCGTAATTTGACTACAGAAAGCTTGTGCAATTTGAAATTTAGGTGTTCAT 260
DB 876 TCGGCTTCACTTGTGTCAATGCAATTAATCATCTGCTATTTAATTTAGAGTTATCT 935
QY 261 ATGCC-----ACAGACAGACAGAAAGAAATGAAATATTGTGACCTAGCTCG 311
DB 936 ACATCTTAACTAAATATGATTTGAAAGATTCCTCTGAAATTCCTGATATGATGATA 995
QY 312 AATGCTTCCAGGCTTATCACTTGGCAATCATTTAAATTAATGATTTTGTGT 371
DB 996 TATGCTTTCAAAAAATCATTTTGTGCTATTTTTCATTAATTCAGAAATGTGTGG 1055
QY 372 GAATAAGGAACCTTTAAATATGATGTGAGAGCTTATCTACATCAGAGCTTATG 431
DB 1056 GAATATTATGACTACATGACAGCTCTGTAAAGATGACGTTTGAATTAAGAACTTATG 1115
QY 432 AAGAGCTACAGAAACCACTACATGATGATCTTATAGACCTGTGATTCCTGTGA 491
DB 1116 ATGAACTACAAAGTCAAAAGTTGATGTGATTCCTGAGATGCCCTAATCCCTGTGT 1175
QY 492 GACCTGATGCTGATGCTTGTGCAATGCCCTTTGTGTCTACATTTAGAAATTTCTGTAGA 551
DB 1176 GACCTGATGCTGATGCTTGTGCAATGCCCTTTGTGTCTGCAATTTGATTTCTGTGTGGC 1235
QY 552 GCGAATATGAGGAGGAGCTGTGGAACCTTCAGCTCCTCACTTCTATGATCTGTGCT 611
DB 1236 TACACATTTAGAGAAATGTGTGAGATTTCTGTCTCTCTCTCTATGATCTGTGT 1295
QY 612 ATGACAGACTAACAGACAGATGACCTTCTGGAAGAGTAAATTAATGATCTTCA 671
DB 1296 ATGTCAGAAATTAATGATCAATGATTTTCATGAGAGATTAATAATGATATATG 1355
QY 672 GTTTTGTTCACCTTGTGATTCAGATTTAGATCACTATTTTGGAGAGCTTTATAGT 731
DB 1356 CTTTATTTGACCTTTGTGTTCAATTTATGATCTGAAGAGTGGACGAGTTTATAGT 1415
QY 732 AAGCAATTAGGAAGGC 748
DB 1416 AAGTCTAGGTAAATC 1432

RESULT 13
US-09-671-317-424
Sequence 424, Application US/09671317
Patent No. 6528260
GENERAL INFORMATION:
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
APPLICANT: Bougueret, Lydie
APPLICANT: Cohen, Annick
TITLE OF INVENTION: BIOMOLECULAR MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
FILE REFERENCE: 62.US.CIP
CURRENT APPLICATION NUMBER: US/09/671, 317
CURRENT FILING DATE: 2000-09-27
PRIORITY APPLICATION NUMBER: US 09/536, 178
PRIORITY FILING DATE: 2000-03-23
PRIORITY APPLICATION NUMBER: PCT/IB00/00403
PRIORITY FILING DATE: 2000-03-24
PRIORITY APPLICATION NUMBER: US 60/126, 269
PRIORITY FILING DATE: 1999-03-25
PRIORITY APPLICATION NUMBER: US 60/131, 961
PRIORITY FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 977
SOFTWARE: Patent.pm
SEQ ID NO 424

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; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 501
; OTHER INFORMATION: 12-612-41 : polymorphic base C or T
; NAME/KEY: misc_binding
; LOCATION: 481..500
; OTHER INFORMATION: 12-612-41.misl, potential
; NAME/KEY: misc_binding
; LOCATION: 502..520
; OTHER INFORMATION: 12-612-41.mis2, complement
; NAME/KEY: primer_bind
; LOCATION: 461..481
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer_bind
; LOCATION: 981..1001
; OTHER INFORMATION: downstream amplification primer, complement
; NAME/KEY: misc_binding
; LOCATION: 489..513
; OTHER INFORMATION: 12-612-41 potential probe
; NAME/KEY: misc_feature
; LOCATION: 383
; OTHER INFORMATION: n=a, g, c or t
US-09-671-317-424

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Query Match 12.0%; Score 197; DB 4; Length 1001;

Best Local Similarity 74.5%; Pred. No. 1.3e-47;

Matches 248; Conservative 0; Mismatches 85; Indels 0; Gaps 0;

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DB 667 AATTACTTTTATATGTTGATCTTATATTTATCTTCACTATTAAGAGATATCAT 726
QY 1349 GAGATTATCAGAAATTCACCATGATCAACCTGTAAAGCCCTGATCGAGACTTTCTG 1408
DB 727 GAATTATCAGAAATTCATCATATATCAACCGTGAAGCCCTGATCGAGACTTTCTG 786
QY 1409 GATCGATTGTCATGCGCCACAAAGAGCCAGCACTGCGATCACTGCGCCATACCT 1468
DB 787 GATTGATTGTCATGCGCCATTAAGAGCCAGCACTGCGGTCGACGCCCAACCT 846
QY 1469 CACCTGATCCAGCACTACTCTATAGATGATGATGATGATGATGATGATGATGATGAT 1528
DB 847 CACTGATCCAGCACTACTCTATAGATGATGATGATGATGATGATGATGATGATGATGAT 906
QY 1529 TGTATATCTTGTTCACAAATGTTTATTTCTGTCAAAATTTAATTAATACTAG 1588
DB 907 TATGATATTTATGATCACAAAATGTTGCTGTTTGTTCGAAAGCTTGCCAAACAG 966
QY 1589 AAAGATGAAAAGAGGAAATAGATCTTTCCAAA 1621
DB 967 AAAGAGAAAAGAGGATTAATATATCAAAA 999

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RESULT 14

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US-09-356-806-1
; Sequence 1, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356, 806
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0

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; SEQ ID NO 1
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: Other
; LOCATION: (140) ... (897)
US-09-356-806-1

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Query Match 12.0%; Score 195.8; DB 4; Length 1323;

Best Local Similarity 56.2%; Pred. No. 3.5e-47;

Matches 412; Conservative 0; Mismatches 312; Indels 9; Gaps 2;

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QY 23 CATCATGAGCTGACAGTCAAGTCACTTGTGATTTCTGCTCCGCAAGCTCTCTGT---GT 79
DB 170 CATCAGAGTGTCTATGAATGAGACTTCAGCTCTTCTGCTGATACAGCTGAGCTGTACTT 229
QY 80 TGGCTGTGATTCGTGGGAAAGTCTGTGTGCGCTGTGACATGAGCCATTGCTTAA 139
DB 230 TAGCTCTGGAGTTGTGAAAGTGTCTGTGTGCGCCACAGAAATTCAGCCACTGAGTAA 289
QY 140 TGTCAAGCTCATTTAGAAAGCTCATAGTGAAGAGCCATGAGTAAAGTATTAATCA 199
DB 290 TATTAAGACATCTGAGTGAATCTGTCCAGAGAGTCAAGTGAAGTGAATGAGCAATC 349
QY 200 CTCAAGCTTCTGATTAATTTGACTACAGAAAGCTTCTGATTAATTTGAGTGTGCA 259
DB 350 TTACACTTCATTTCTTTCATCCACAGCCCATCTACTTAAATTTGAAGTTTATTC 409
QY 260 TATGCCACAGACAGACAGAAAGAAATGAAATATTTGTTGACCTAGCTCTGA-----A 313
DB 410 TGTATCTTTAATAAAGTGAATTTGAGATTTATCAAGCACTGCTTAAAGATGAGGC 469
QY 314 TGTCTTGGCAGGCTTATCACTGCAATCACTTAATTAATTAATTAATTAATTTTGTGA 373
DB 470 AGAATCTCCAAAAGACATTTTGTGCTATTTTTCACAAGTACAAAGAAATCATGTGAC 529
QY 374 AATAAGAGAACTTAAATAATGATGAGAGCTTTATCTATCATCAAGACCTATATGA 433
DB 530 ATTTATGATCATCTTAAAGATCTGTAAAGATATATGTTTAAATTAAGAAATCTATGA 589
QY 434 GAAGTACAGAGAAACCACTACATGATGATGATGATGATGATGATGATGATGATGATGAT 493
DB 590 GAACTACAGAGATCAAGATTTGATGATGATGATGATGATGATGATGATGATGATGATGAT 649
QY 494 CCGTATGCTGATGCTTGTGACATGCTCTTGTGCTCACTTAATTTCTGTAGAGG 553
DB 650 GCTGCTGCGCCGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 709
QY 554 CAATATGAGAGCAAGCTGTGGAACCTTCCAGCTCACTTTCTATGATACCTGTGCTAT 613
DB 710 CGCAATTAAGAAAGCATATGAGAGACTTCTGCTCTCTCTCTCTCTCTCTCTCTCTCT 769
QY 614 GACAGAGTAAACAGACAGAAATGACCTTCTGGAAGAGTAAATAATTAATTAATCTTCACT 673
DB 770 GTCAAGATTAAGTGAACCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 829
QY 674 TTTGTTCACTTGTGATTCAGATTAAGTATTAATTAATTAATTAATTAATTAATTAATTA 733
DB 830 TTAATTTGAATTTGTTTCAAAATTTTGAATTAAGAAAGTGAATGATCTTCAAGTGA 889
QY 734 GGCATTAGGAAG 746
DB 890 AGTTCTAGTAAAG 902

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RESULT 15

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US-09-356-806-45
; Sequence 45, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret

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APPLICANT: Miller, Andrew
APPLICANT: Reidy, Michael
TITLE OF INVENTION: Genotyping Human
TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
TITLE OF INVENTION: 2B15 (UGT2B15) Genes
FILE REFERENCE: SEQ-22PRV2
CURRENT APPLICATION NUMBER: US/09/356,806
CURRENT FILING DATE: 1999-07-20
NUMBER OF SEQ ID NOS: 164
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 45
LENGTH: 596
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
NAME/KEY: exon
LOCATION: (19)... (549)
US-09-356-806-45

Query Match 11.9%; Score 195.4; DB 4; Length 596;
Best local Similarity 79.2%; Pred. No. 3e-47;
Matches 232; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

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DB 14 TTTCAGATATAAGAGATGTATGAATATTATCAAGATTCAACATGATCAACCAAGTAA 73
QY 1385 GCGCCCTAGATCGAGCACTTTCTGATCGAGTTGTATCGCGCCACAAAGAGCCAAAGCA 1444
DB 74 GCGCCCTGATCGAGCACTTTCTGATGAAATTTGTCATGCGCCACAAAGAGCTAAACA 133
QY 1445 CCGGATCAGTGGCCATGACCTCACTGTTCCAGCACTACTATATAGATGATGG 1504
DB 134 CTTTCGGGTGAGCCCAACCACTCACTGTTCCAGTACCACTTTGATGATGG 193
QY 1505 GTTCTGCTGACCTGTGTGCAACTGCTATATTCTTTGTCACAAATGTTTTTATTTTC 1564
DB 194 GTTCTGCTGCTGTGTGCAACTGCTATATTATGTCACAAATGTTGCTGTTTG 253
QY 1565 CTGTCAAAATTTAATAAATACTAGAAAGATAGAAAGAGGAATAGATCTTTC 1617
DB 254 TTCTCGAAGTTGCTAGAAAGCAAGAGGAAAAAATGATTAGTTATATC 306

Search completed: December 14, 2003, 00:17:35
Job time: 116.144 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 13, 2003, 23:51:02 : Search time 527.905 Seconds
(without alignments)
10299.979 Million cell updates/sec

Title: US-09-981-353-165
Perfect score: 1636
Sequence: 1 gatcagctgctgaggaact.....ccaattcaagaagaccctg 1636

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2201672 seqs, 1661799599 residues
Total number of hits satisfying chosen parameters: 4403344

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/1/pubpna/PCR_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
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- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US09C_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 17: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 18: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1636	100.0	1636	10	US-09-981-353-165 Sequence 165, App
2	1636	100.0	2966	13	US-09-981-353-33 Sequence 33, App
3	1636	100.0	2974	13	US-10-199-672-521 Sequence 521, App
4	1636	100.0	2974	13	US-10-187-749-521 Sequence 521, App
5	1636	100.0	2974	13	US-10-194-457-521 Sequence 521, App
6	1636	100.0	2974	13	US-10-184-642-521 Sequence 521, App
7	1636	100.0	2974	13	US-10-196-747-521 Sequence 521, App
8	1636	100.0	2974	13	US-10-173-689-521 Sequence 521, App
9	1636	100.0	2974	13	US-10-173-691-521 Sequence 521, App
10	1636	100.0	2974	13	US-10-173-692-521 Sequence 521, App
11	1636	100.0	2974	13	US-10-173-692-521 Sequence 521, App
12	1636	100.0	2974	13	US-10-173-694-521 Sequence 521, App
13	1636	100.0	2974	13	US-10-173-698-521 Sequence 521, App
14	1636	100.0	2974	13	US-10-173-699-521 Sequence 521, App
15	1636	100.0	2974	13	US-10-173-707-521 Sequence 521, App

16	1636	100.0	2974	13	US-10-174-569-521 Sequence 521, App
17	1636	100.0	2974	13	US-10-174-583-521 Sequence 521, App
18	1636	100.0	2974	13	US-10-174-589-521 Sequence 521, App
19	1636	100.0	2974	13	US-10-174-589-521 Sequence 521, App
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21	1636	100.0	2974	13	US-10-175-736-521 Sequence 521, App
22	1636	100.0	2974	13	US-10-175-749-521 Sequence 521, App
23	1636	100.0	2974	13	US-10-175-744-521 Sequence 521, App
24	1636	100.0	2974	13	US-10-175-745-521 Sequence 521, App
25	1636	100.0	2974	13	US-10-175-748-521 Sequence 521, App
26	1636	100.0	2974	13	US-10-175-751-521 Sequence 521, App
27	1636	100.0	2974	13	US-10-175-754-521 Sequence 521, App
28	1636	100.0	2974	13	US-10-176-480-521 Sequence 521, App
29	1636	100.0	2974	13	US-10-176-489-521 Sequence 521, App
30	1636	100.0	2974	13	US-10-176-754-521 Sequence 521, App
31	1636	100.0	2974	13	US-10-176-755-521 Sequence 521, App
32	1636	100.0	2974	13	US-10-176-759-521 Sequence 521, App
33	1636	100.0	2974	13	US-10-176-920-521 Sequence 521, App
34	1636	100.0	2974	13	US-10-176-922-521 Sequence 521, App
35	1636	100.0	2974	13	US-10-176-924-521 Sequence 521, App
36	1636	100.0	2974	13	US-10-176-984-521 Sequence 521, App
37	1636	100.0	2974	13	US-10-179-508-521 Sequence 521, App
38	1636	100.0	2974	13	US-10-179-512-521 Sequence 521, App
39	1636	100.0	2974	13	US-10-179-515-521 Sequence 521, App
40	1636	100.0	2974	13	US-10-179-515-521 Sequence 521, App
41	1636	100.0	2974	13	US-10-173-703-521 Sequence 521, App
42	1636	100.0	2974	13	US-10-173-704-521 Sequence 521, App
43	1636	100.0	2974	13	US-10-174-574-521 Sequence 521, App
44	1636	100.0	2974	13	US-10-176-486-521 Sequence 521, App
45	1636	100.0	2974	13	US-10-176-490-521 Sequence 521, App

ALIGNMENTS

RESULT 1
US-09-981-353-165
Sequence 165 Application US/09981353
Patent No. US20020160382A1
GENERAL INFORMATION:
APPLICANT: Lasek, Amy W.
TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
FILE REFERENCE: PA-0038 US
CURRENT APPLICATION NUMBER: US/09/981,353
NUMBER OF SEQ ID NOS: 194
SOFTWARE: PERL Program
SEQ ID NO 165
LENGTH: 1636
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20020160382A1 2434655CB1
US-09-981-353-165

Query Match 100.0%; Score 1636; DB 10; Length 1636;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	GATCAGTGTGTGAGGAACTGCGCATATATGATGACAAAGTCAGTGTGATTTCTGCG	60
DB	1	GATCAGTGTGTGAGGAACTGCGCATATATGATGACAAAGTCAGTGTGATTTCTGCG	60
QY	61	TCTGTGAGCTCTTGTGTGTGCTGTGATTCGTGGAAAGTCCTGTGAGCCCTGTG	120
DB	61	TCTGTGAGCTCTTGTGTGTGCTGTGATTCGTGGAAAGTCCTGTGAGCCCTGTG	120
QY	121	ACATGAGCATTGGCTTAATGTCAGAGTCATTCTGAAAGCTCATATGAGAGCCATG	180
DB	121	ACATGAGCATTGGCTTAATGTCAGAGTCATTCTGAAAGCTCATATGAGAGCCATG	180

QY 301 ACCTAGCTGAAGTCTGCGAGGCTTATCAACCTGGCAATGATTATAAATTAATG 360
 DB 304 ACCTAGCTGAAGTCTTCCGAGGCTTATCAACCTGGCAATGATTATAAATTAATG 363
 QY 361 ATTTTGTGTAATTAAGAGAACTTTAAATAATGATGTGAGAGCTTTATCTACATC 420
 DB 364 ATTTTGTGTAATTAAGAGAACTTTAAATAATGATGTGAGAGCTTTATCTACATC 423
 QY 421 AGACGCTTAAGAGAGCTACAGAAACCACTACATGATGATGCTTATAGACCTGTGA 480
 DB 424 AGACGCTTAAGAGAGCTACAGAAACCACTACATGATGATGCTTATAGACCTGTGA 483
 QY 481 TTCCCTGTGAGACCTGATGAGTGTGCTGAGTCCCTTTGTGCTGACCTTAGAA 540
 DB 484 TTCCCTGTGAGACCTGATGAGTGTGCTGAGTCCCTTTGTGCTGACCTTAGAA 543
 QY 541 TTTCCTGAGAGGCAATATGAGAGGAGCTGTGAGAACTTCCAGCTCCACTTCCATG 600
 DB 544 TTTCCTGAGAGGCAATATGAGAGGAGCTGTGAGAACTTCCAGCTCCACTTCCATG 603
 QY 601 TACCTGTGCTTATGACAGACTTAAACAGACGAATGACCTTCTGAGAAAGATAAATTT 660
 DB 604 TACCTGTGCTTATGACAGACTTAAACAGACGAATGACCTTCTGAGAAAGATAAATTT 663
 QY 661 CAATGCTTCACTTGTGCTGACCTGATGAGTTCAGATTAAGACTTATGATTTTGGGAG 720
 DB 664 CAATGCTTCACTTGTGCTGACCTGATGAGTTCAGATTAAGACTTATGATTTTGGGAG 723
 QY 721 AGTTTATAGTAAAGCACTTAAAGAGGCCACTACATTAATGATGAGACTGTGGGAAAGCTG 780
 DB 724 AGTTTATAGTAAAGCACTTAAAGAGGCCACTACATTAATGATGAGACTGTGGGAAAGCTG 783
 QY 781 AGATTAAGCTTAATACGAACATTTGGGATTTTGAATTTCTCAACCACTAACCTTAAT 840
 DB 784 AGATTAAGCTTAATACGAACATTTGGGATTTTGAATTTCTCAACCACTAACCTTAAT 843
 QY 841 TTGAGTTTGTGAGGATGACCTGTAACCTGCAAGAGCTTGGCTTAAGAGAAATGAGAA 900
 DB 844 TTGAGTTTGTGAGGATGACCTGTAACCTGCAAGAGCTTGGCTTAAGAGAAATGAGAA 903
 QY 901 ATTTTGTCCAGAGTTCAGGGGAGAGATGATGATGATGATGATGATGATGATGATGATG 960
 DB 904 ATTTTGTCCAGAGTTCAGGGGAGAGATGATGATGATGATGATGATGATGATGATGATG 963
 QY 961 AAAATGTTACAGAGAAAGGCTTAATATCATTTGCTTCAAGCTTGGCCAGATCCACAGA 1020
 DB 964 AAAATGTTACAGAGAAAGGCTTAATATCATTTGCTTCAAGCTTGGCCAGATCCACAGA 1023
 QY 1021 AGGTGTTATGAGAGTTCAGAGAGAAAGAAACCACTCCACTTAAGAGCAATCTCGGTGT 1080
 DB 1024 AGGTGTTATGAGAGTTCAGAGAGAAAGAAACCACTCCACTTAAGAGCAATCTCGGTGT 1083
 QY 1081 ATGATGAGATACCCAGAGATGATCTTTGTGATCTCCCAAAACCAAGCTTTTATCACTC 1140
 DB 1084 ATGATGAGATACCCAGAGATGATCTTTGTGATCTCCCAAAACCAAGCTTTTATCACTC 1143
 QY 1141 ATGATGAGATACCCAGAGATGATCTTTGTGATCTCCCAAAACCAAGCTTTTATCACTC 1200
 DB 1144 ATGATGAGATACCCAGAGATGATCTTTGTGATCTCCCAAAACCAAGCTTTTATCACTC 1203
 QY 1201 CCATATTTGTGATCAGCTGATGATCACTCACTCACTCACTCACTCACTCACTCACTCA 1260
 DB 1204 CCATATTTGTGATCAGCTGATGATCACTCACTCACTCACTCACTCACTCACTCACTCA 1263
 QY 1261 AAATTAACCTCAAAAGCTATGACAGAGAGATTTACTGAGGCTTTGAGAAAGCTATTA 1320
 DB 1264 AAATTAACCTCAAAAGCTATGACAGAGAGATTTACTGAGGCTTTGAGAAAGCTATTA 1323
 QY 1321 CCGATTCCTCTTAATAAGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 1380
 DB 1324 CCGATTCCTCTTAATAAGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 1383

QY 1381 TAAAGCCCTAGATCAGAGAGTCTTCTGATCAGATTTGTATGCGCCCAAAAGAGCCA 1440
 DB 1384 TAAAGCCCTAGATCAGAGAGTCTTCTGATCAGATTTGTATGCGCCCAAAAGAGCCA 1443
 QY 1441 AGCAGCTGAGATCAGCTGCGCCATGACCTGCTGCTGAGAGCTTATAGATGTA 1500
 DB 1444 AGCAGCTGAGATCAGCTGCGCCATGACCTGCTGCTGAGAGCTTATAGATGTA 1503
 QY 1501 TTGGGTTCTGCTGAGAGCTGTGTGAGCACTGCTATATCTTGTTCACAAAATGTTTTAT 1560
 DB 1504 TTGGGTTCTGCTGAGAGCTGTGTGAGCACTGCTATATCTTGTTCACAAAATGTTTTAT 1563
 QY 1561 TTTCCTGTCAAAATTTAATAAAGTAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1620
 DB 1564 TTTCCTGTCAAAATTTAATAAAGTAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1623
 QY 1621 ATTCAAGAAAGACTG 1636
 DB 1624 ATTCAAGAAAGACTG 1639

RESULT 3
 US-10-199-672-521
 ; Sequence 521, Application US/10199672
 ; Publication No. US20030148442A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Chen, Jian
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Pan, James
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Watanabe, Collin K.
 ; APPLICANT: Wood, William I.
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE OF INVENTION: ACIDS ENCODING THE SAME
 ; FILE REFERENCE: P3430R1C1
 ; CURRENT APPLICATION NUMBER: US/10/199,672
 ; CURRENT FILING DATE: 2002-07-18
 ; PRIOR APPLICATION NUMBER: US/10/052,586
 ; PRIOR FILING DATE: 2002-01-15
 ; PRIOR APPLICATION NUMBER: 60/059263
 ; PRIOR FILING DATE: 1997-09-18
 ; PRIOR APPLICATION NUMBER: 60/059266
 ; PRIOR FILING DATE: 1997-09-18
 ; PRIOR APPLICATION NUMBER: 60/062250
 ; PRIOR FILING DATE: 1997-10-17
 ; PRIOR APPLICATION NUMBER: 60/063120
 ; PRIOR FILING DATE: 1997-10-24
 ; PRIOR APPLICATION NUMBER: 60/063121
 ; PRIOR FILING DATE: 1997-10-24
 ; PRIOR APPLICATION NUMBER: 60/063486
 ; PRIOR FILING DATE: 1997-10-21
 ; PRIOR APPLICATION NUMBER: 60/063540
 ; PRIOR FILING DATE: 1997-10-28
 ; PRIOR APPLICATION NUMBER: 60/063541
 ; PRIOR FILING DATE: 1997-10-28
 ; PRIOR APPLICATION NUMBER: 60/063544
 ; PRIOR FILING DATE: 1997-10-28
 ; Remaining prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 612
 ; SEQ ID NO 521
 ; LENGTH: 2974
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 ; US-10-199-672-521
 Query Match 100.0%; Score 1636; DB 13; Length 2974;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 GATCAGTGTGAGGAACTGCGCATGAGGTCTGCAAGTCAAGCTTTGGTATTTCGCG 60
QY 61 TCCTGCAAGCTTTGCTGTGGTGTGAGATTCTGTGGGAAAGTCTGTGGTGTGCGCTGTG 120
DB 61 TCCTGCAAGCTTTGCTGTGGTGTGAGATTCTGTGGGAAAGTCTGTGGTGTGCGCTGTG 120
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QY 181 AGTAAAGATTAATGCTCACTCAAGGCTTGTAAATTTGATCAAGAGAGCTTCTGCAAT 240
DB 181 AGTAAAGATTAATGCTCACTCAAGGCTTGTAAATTTGATCAAGAGAGCTTCTGCAAT 240
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QY 421 AGACGCTTAAGAGAGCTACAGAGAAACAATAAGATGATCTTATAGACCTGTGA 480
DB 421 AGACGCTTAAGAGAGCTACAGAGAAACAATAAGATGATCTTATAGACCTGTGA 480
QY 481 TTCCCTGTGAGAGCTGATGCTGATGCTGCTGAGAGTCCCTTTGTGTCTCACTTGA 540
DB 481 TTCCCTGTGAGAGCTGATGCTGATGCTGCTGAGAGTCCCTTTGTGTCTCACTTGA 540
QY 541 TTTCTGTAGAGAGCAATAGGAGGAGAGCTGTGGGAAACTTCCAGCTTCTCTATG 600
DB 541 TTTCTGTAGAGAGCAATAGGAGGAGAGCTGTGGGAAACTTCCAGCTTCTCTATG 600
QY 601 TACCTGTGCTTATGACAGATCAAGACAGATGACCTTCTGAGAAAGATTAATAAT 660
DB 601 TACCTGTGCTTATGACAGATCAAGACAGATGACCTTCTGAGAAAGATTAATAAT 660
QY 661 CAATGCTTCAAGTTTGTCTGATCTTGTGATTCAGATTCAGATTCATTTTGGGAG 720
DB 661 CAATGCTTCAAGTTTGTCTGATCTTGTGATTCAGATTCAGATTCATTTTGGGAG 720
QY 721 AGTTTATAGTAAAGCAATAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 780
DB 721 AGTTTATAGTAAAGCAATAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 780
QY 781 AGATATGCTTAATGCAACATATTTGGGATTTGAAATTTCTCAACATCAACTACT 840
DB 781 AGATATGCTTAATGCAACATATTTGGGATTTGAAATTTCTCAACATCAACTACT 840
QY 841 TTGAGTTTGTGAGAGTGTGATCTGTAACCTGCAAGGCTTGGCTTAAGAAATGAGAA 900
DB 841 TTGAGTTTGTGAGAGTGTGATCTGTAACCTGCAAGGCTTGGCTTAAGAAATGAGAA 900
QY 901 ATTTTGTCAAGAGTTCAGGAGGAGAGATGTGATGTTTCTGTGGGAGTCACTGTTTC 960
DB 901 ATTTTGTCAAGAGTTCAGGAGGAGAGATGTGATGTTTCTGTGGGAGTCACTGTTTC 960
QY 961 AAAATGTTACAGAAAGGCTTAATATCAATGCTTCAAGGCTTGGCCAGATCCACAGA 1020
DB 961 AAAATGTTACAGAAAGGCTTAATATCAATGCTTCAAGGCTTGGCCAGATCCACAGA 1020
QY 1021 AGGTGTTATGAGGTACAAAGGAAAGAAAGGAAAGGAAAGGAAAGGAAAGGAAAGGAAAG 1080
DB 1021 AGGTGTTATGAGGTACAAAGGAAAGAAAGGAAAGGAAAGGAAAGGAAAGGAAAGGAAAG 1080

QY 1081 ATGATTGATATACCCAGAAATGATCTTCTGATCAATCCAAAGGCTTTTATCACTC 1140
DB 1081 ATGATTGATATACCCAGAAATGATCTTCTGATCAATCCAAAGGCTTTTATCACTC 1140
QY 1141 ATGTGAGATGAATGGAGTATATGAAGCTATTTTACATAGGAGGCTTATGTGTGAGTTC 1200
DB 1141 ATGTGAGATGAATGGAGTATATGAAGCTATTTTACATAGGAGGCTTATGTGTGAGTTC 1200
QY 1201 CCAATTTTGTGATCAAGCTTATATCAATAGCTCAATGAAGGCAAGAGGAGGAGCTGTAG 1260
DB 1201 CCAATTTTGTGATCAAGCTTATATCAATAGCTCAATGAAGGCAAGAGGAGGAGCTGTAG 1260
QY 1261 AAATTAACCTTCAAACTATGACAGAGGAGATTTACTGAGGCTTTGAGAAAGTCAATTA 1320
DB 1261 AAATTAACCTTCAAACTATGACAGAGGAGATTTACTGAGGCTTTGAGAAAGTCAATTA 1320
QY 1321 CCGATTCCTTTATTAAGAGATGCTATGATATTAAGATTAATCAAGATTAATCAAGATCA 1380
DB 1321 CCGATTCCTTTATTAAGAGATGCTATGATATTAAGATTAATCAAGATTAATCAAGATCA 1380
QY 1381 TAAAGCCCTGATGAGAGGAGGAGCTTCTGATGAGTTTGTATGAGGCAAGAGGAGCCA 1440
DB 1381 TAAAGCCCTGATGAGAGGAGGAGCTTCTGATGAGTTTGTATGAGGCAAGAGGAGCCA 1440
QY 1441 AGCAGCTGAGATGAGCTGCCATGACCTCACTGTTCAGACACTACTATATAGATGTA 1500
DB 1441 AGCAGCTGAGATGAGCTGCCATGACCTCACTGTTCAGACACTACTATATAGATGTA 1500
QY 1501 TTGGGTTCTGCTGATGAGCTGTGTGCAATGCTATATTTCTTGTCAAAATGTTTTTAT 1560
DB 1501 TTGGGTTCTGCTGATGAGCTGTGTGCAATGCTATATTTCTTGTCAAAATGTTTTTAT 1560
QY 1561 TTTCCTGTCAAAATTTAATAAAGTAAAGATGAGAAAGGAGGATAGATCTTTCCA 1620
DB 1561 TTTCCTGTCAAAATTTAATAAAGTAAAGATGAGAAAGGAGGATAGATCTTTCCA 1620
QY 1621 ATTCAAGAAAGAGCTG 1636
DB 1621 ATTCAAGAAAGAGCTG 1636

RESULT 4
US-10-187-749-521
; Sequence 521, Application US/10187749
; Publication No. US20030153036A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C1
; CURRENT APPLICATION NUMBER: US/10/187,749
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: US/10/052,586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121

;; PRIOR FILING DATE: 1997-10-24
;; PRIOR APPLICATION NUMBER: 60/063486
;; PRIOR FILING DATE: 1997-10-21
;; PRIOR APPLICATION NUMBER: 60/063540
;; PRIOR FILING DATE: 1997-10-28
;; PRIOR APPLICATION NUMBER: 60/063541
;; PRIOR FILING DATE: 1997-10-28
;; PRIOR APPLICATION NUMBER: 60/063544
;; Remaining Prior Application data removed - See File Wrapper or PAM.
;; NUMBER OF SEQ ID NOS: 612
;; SEQ ID NO 521
;; LENGTH: 2974
;; TYPE: DNA
;; ORGANISM: Homo Sapien
US-10-187-749-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GATCACTGTGTGAGGGAACCTGCAATGAGTCTGACAAAGTCAAGCTTTGTGTTCTGC 60
DB 1 GATCACTGTGTGAGGGAACCTGCAATGAGTCTGACAAAGTCAAGCTTTGTGTTCTGC 60
QY 61 TCCGTGAGCTCTCTGTGTTGCTGTGGAATCTGTGGGAAAGTCTGTGGCCCTGTG 120
DB 61 TCCGTGAGCTCTCTGTGTTGCTGTGGAATCTGTGGGAAAGTCTGTGGCCCTGTG 120
QY 121 ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTAGAGAGCTCATAGTGAAGGCCATG 180
DB 121 ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTAGAGAGCTCATAGTGAAGGCCATG 180
QY 121 ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTAGAGAGCTCATAGTGAAGGCCATG 180
DB 121 ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTAGAGAGCTCATAGTGAAGGCCATG 180
QY 181 AGGTAAAGTATGATCTCAAGCTTCTGTTAATGACTAGAGAGAGCTTCTGCAAT 240
DB 181 AGGTAAAGTATGATCTCAAGCTTCTGTTAATGACTAGAGAGAGCTTCTGCAAT 240
QY 241 TGAATTTGAGGAGTGCATATGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
DB 241 TGAATTTGAGGAGTGCATATGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
QY 301 ACCTAGCTGTGATGCTTGGCAGGCTTATCAACCTGCAATCAATTAATTAATG 360
DB 301 ACCTAGCTGTGATGCTTGGCAGGCTTATCAACCTGCAATCAATTAATTAATG 360
QY 361 ATTTTGTGTAATTAAGAGAACTTTAAATGATGTGTGAGAGCTTATCTCAATC 420
DB 361 ATTTTGTGTAATTAAGAGAACTTTAAATGATGTGTGAGAGCTTATCTCAATC 420
QY 421 AGACGCTTATGAAGAGCTACAGAGAAAGCACTAGATGTAATGCTTAAGAGAGAGAGAG 480
DB 421 AGACGCTTATGAAGAGCTACAGAGAAAGCACTAGATGTAATGCTTAAGAGAGAGAGAG 480
QY 481 TTCCCTGTGAGAGAGCTGATGCTGAGTGTGCTGCACTCCCTTTGTGCTCAACTAGAA 540
DB 481 TTCCCTGTGAGAGAGCTGATGCTGAGTGTGCTGCACTCCCTTTGTGCTCAACTAGAA 540
QY 541 TTTCTGTAGAGAGCAATATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 600
DB 541 TTTCTGTAGAGAGCAATATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 600
QY 601 TACCTGTGCTATGACAGAGACTTAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 660
DB 601 TACCTGTGCTATGACAGAGACTTAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 660
QY 661 CAATGCTTCAAGTTTGTTCACCTTGTGATTCAGAGATTACGATCAATTTTGGGAAG 720
DB 661 CAATGCTTCAAGTTTGTTCACCTTGTGATTCAGAGATTACGATCAATTTTGGGAAG 720
QY 721 AGTTTATATGTAAGCATTAG 780
DB 721 AGTTTATATGTAAGCATTAG 780

QY 781 AGATATGCTAATATAGAAATATGAGATTTGAAATTTCTCAACCATACCACTAACT 840
DB 781 AGATATGCTAATATAGAAATATGAGATTTGAAATTTCTCAACCATACCACTAACT 840
QY 841 TTGAGTTGTGTGAGAGATTGCACTGTAAACCTGCAAGAGCTTTGCTTAAGAGAAATGAAA 900
DB 841 TTGAGTTGTGTGAGAGATTGCACTGTAAACCTGCAAGAGCTTTGCTTAAGAGAAATGAAA 900
QY 901 ATTTTGTCCAGAGTTCAAG 960
DB 901 ATTTTGTCCAGAGTTCAAG 960
QY 961 AAAATGTACAG 1020
DB 961 AAAATGTACAG 1020
QY 1021 AGGTGTTATGAGAGTACAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1080
DB 1021 AGGTGTTATGAGAGTACAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1080
QY 1081 ATGATTTGATATACCCAGAGATGATCTTTGCTGATATCCCAAAACCAAGCTTTTATCACTC 1140
DB 1081 ATGATTTGATATACCCAGAGATGATCTTTGCTGATATCCCAAAACCAAGCTTTTATCACTC 1140
QY 1141 ATGATTTGATATACCCAGAGATGATCTTTGCTGATATCCCAAAACCAAGCTTTTATCACTC 1200
DB 1141 ATGATTTGATATACCCAGAGATGATCTTTGCTGATATCCCAAAACCAAGCTTTTATCACTC 1200
QY 1201 CCATATTTGATGATCAGCTTGTATTAATGATGATGATGATGATGATGATGATGATGATG 1260
DB 1201 CCATATTTGATGATCAGCTTGTATTAATGATGATGATGATGATGATGATGATGATGATG 1260
QY 1261 AATTAATCTTCAAACTATGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1320
DB 1261 AATTAATCTTCAAACTATGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1320
QY 1321 CGATTTCTCTTATTAAG 1380
DB 1321 CGATTTCTCTTATTAAG 1380
QY 1381 TAAAGCCCTTATGAG 1440
DB 1381 TAAAGCCCTTATGAG 1440
QY 1441 AGCAGCTGATCAGCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1500
DB 1441 AGCAGCTGATCAGCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1500
QY 1501 TTGGGTTCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1560
DB 1501 TTGGGTTCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1560
QY 1561 TTTCTGTCAAAAATTTAATAAATAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1620
DB 1561 TTTCTGTCAAAAATTTAATAAATAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1620
QY 1621 ATTCAAG 1680
DB 1621 ATTCAAG 1680

RESULT 5
US-10-194-457-521
; Sequence 521, Application US/10194457
; Publication No. US20030153037A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James

APPLICANT: Smith,Victoria
APPLICANT: Madanabe,Colin K.
APPLICANT: Zhang,Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C296
CURRENT APPLICATION NUMBER: US/10/194,457
CURRENT FILING DATE: 2002-07-11
PRIOR APPLICATION NUMBER: 10/052586
PRIOR FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059266
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063120
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063121
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063486
PRIOR FILING DATE: 1997-10-21
PRIOR APPLICATION NUMBER: 60/063540
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063541
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063544
PRIOR FILING DATE: 1997-10-28
Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 521
LENGTH: 2974
TYPE: DNA
ORGANISM: Homo Sapien
US-10-194-457-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;

Best Local Similarity 100.0%; Pred. No. 0; Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GATCAGTGTGTGAGGAACTGCTCATGAGTCTGCAAGTCAAGTCTTGGTATTTCTGC 60
DB 1 GATCAGTGTGTGAGGAACTGCTCATGAGTCTGCAAGTCAAGTCTTGGTATTTCTGC 60
QY 61 TCCTGCAAGTCTTCTGTGTGTGCTGTGATTTCTGTGGAAGTCTTGGTGTGCTGTG 120
DB 61 TCCTGCAAGTCTTCTGTGTGTGCTGTGATTTCTGTGGAAGTCTTGGTGTGCTGTG 120
QY 121 ACATGAGCCATGCTTGAATGTCAAGTCAATCTGAGAAAGCTCATGTGAGAGCGCATG 180
DB 121 ACATGAGCCATGCTTGAATGTCAAGTCAATCTGAGAAAGCTCATGTGAGAGCGCATG 180
QY 181 AGGTAAAGTATTTGACTCACTCAAGCTTGTGTAATTTGACTAGAGAGCTTCTGCAT 240
DB 181 AGGTAAAGTATTTGACTCACTCAAGCTTGTGTAATTTGACTAGAGAGCTTCTGCAT 240
QY 241 TGAATTTGAGGTGTCCATATGCGACAGACAGACAGAAAGAAATGAAATATTTGTTG 300
DB 241 TGAATTTGAGGTGTCCATATGCGACAGACAGACAGAAAGAAATGAAATATTTGTTG 300
QY 301 ACCTAGCTTGAAGTCTTGTGCGAGGCTTATCAACCTGCAATCGTTATTAATTAATG 360
DB 301 ACCTAGCTTGAAGTCTTGTGCGAGGCTTATCAACCTGCAATCGTTATTAATTAATG 360
QY 361 ATTTTGTGTAATGAGAACTTTAAATGATGTGTGAGAGCTTTATCTACATC 420
DB 361 ATTTTGTGTAATGAGAACTTTAAATGATGTGTGAGAGCTTTATCTACATC 420
QY 421 AGAGCTTATGAGAACTACAGAAACCACTACATGATGATCTTATAGACCTGTGA 480
DB 421 AGAGCTTATGAGAACTACAGAAACCACTACATGATGATCTTATAGACCTGTGA 480

QY 481 TTCCTGTGAGAACTGATGCTGAGTGTCTTGCATCTCCCTTTGTGCTCACACTAGAA 540
DB 481 TTCCTGTGAGAACTGATGCTGAGTGTCTTGCATCTCCCTTTGTGCTCACACTAGAA 540
QY 541 TTTCTGTGAGAGCAATATGAGAGCAAGTGTGGAAGTCTTCCAGTCTTCTCTATG 600
DB 541 TTTCTGTGAGAGCAATATGAGAGCAAGTGTGGAAGTCTTCCAGTCTTCTCTATG 600
QY 601 TACCTGTGCTATGACAGACTTACAGACAGATGATGCTTCTGGAAGAGTAAATTT 660
DB 601 TACCTGTGCTATGACAGACTTACAGACAGATGATGCTTCTGGAAGAGTAAATTT 660
QY 661 CAATGCTTCAAGTTTGTTCACCTTGTGATTCAGAGTTACAGATCAATTTTGGGAG 720
DB 661 CAATGCTTCAAGTTTGTTCACCTTGTGATTCAGAGTTACAGATCAATTTTGGGAG 720
QY 721 AGTTTATGTAAGGCAATTTGAGAGGCCCACTACATTAATGTGAGCTGTGGAAGCTG 780
DB 721 AGTTTATGTAAGGCAATTTGAGAGGCCCACTACATTAATGTGAGCTGTGGAAGCTG 780
QY 781 AGATATGCTTAATAGAACTATTTGGATTTTGAATTTCTCAACATACCACTACT 840
DB 781 AGATATGCTTAATAGAACTATTTGGATTTTGAATTTCTCAACATACCACTACT 840
QY 841 TTGAGTTTGTGAGAGATTTGCACTGTAACTGCAAGAGCTTGTCTTAAGAAATGAAA 900
DB 841 TTGAGTTTGTGAGAGATTTGCACTGTAACTGCAAGAGCTTGTCTTAAGAAATGAAA 900
QY 901 ATTTTGTCCAGAGTTCAAGGGAAGATGTATTTGTGTGTTTCTGTGGGCTCACTGTTT 960
DB 901 ATTTTGTCCAGAGTTCAAGGGAAGATGTATTTGTGTGTTTCTGTGGGCTCACTGTTT 960
QY 961 AAAATGTTACAGAAAGGCTTAATATCATTTGCTTCAAGCTTGTGCAAGATCCACAGA 1020
DB 961 AAAATGTTACAGAAAGGCTTAATATCATTTGCTTCAAGCTTGTGCAAGATCCACAGA 1020
QY 1021 AGGTGTTATGAGAGTCAAAAGAAAGAAACCATATCATTAGAGGCAATATCTGCTGT 1080
DB 1021 AGGTGTTATGAGAGTCAAAAGAAAGAAACCATATCATTAGAGGCAATATCTGCTGT 1080
QY 1081 ATGATTTGATATCCCAAGATGATCTTGTGTGATCCCAAAACCAAGCTTTATCATCT 1140
DB 1081 ATGATTTGATATCCCAAGATGATCTTGTGTGATCCCAAAACCAAGCTTTATCATCT 1140
QY 1141 ATGTGGAATGATGAGATCTATGAGCTATTTACATGAGGAGCCATATGTTGAGGTTT 1200
DB 1141 ATGTGGAATGATGAGATCTATGAGCTATTTACATGAGGAGCCATATGTTGAGGTTT 1200
QY 1201 CCATATTTGTGATCAGCTTGTATATAGCTCATATGAGAGGCAAGAGAGCTGTAG 1260
DB 1201 CCATATTTGTGATCAGCTTGTATATAGCTCATATGAGAGGCAAGAGAGCTGTAG 1260
QY 1261 AAATTAACCTTCAAACTATGACAGAGAGATTTACTGAGGCTTTGAGAACTGATTA 1320
DB 1261 AAATTAACCTTCAAACTATGACAGAGAGATTTACTGAGGCTTTGAGAACTGATTA 1320
QY 1321 CCGATTTCTTATTAAGAGATCTATGAGATTAATCAAGAAATTCACAGATCAACCTG 1380
DB 1321 CCGATTTCTTATTAAGAGATCTATGAGATTAATCAAGAAATTCACAGATCAACCTG 1380
QY 1381 TAAAGCCCTTATGAGAGCTGCTGTGATGAGATTTGTCAATGCGCAAAAGAGCCA 1440
DB 1381 TAAAGCCCTTATGAGAGCTGCTGTGATGAGATTTGTCAATGCGCAAAAGAGCCA 1440
QY 1441 AGCACTGCGATCAGCTGCTGATGATCTCACTGTTTCCAGCACTATATGATGTA 1500
DB 1441 AGCACTGCGATCAGCTGCTGATGATCTCACTGTTTCCAGCACTATATGATGTA 1500
QY 1501 TTGGGTTCTGCTGACCTGTGTGGAAGCTGATATTTCTGTTCAAAATGTTTTTAT 1560
DB 1501 TTGGGTTCTGCTGACCTGTGTGGAAGCTGATATTTCTGTTCAAAATGTTTTTAT 1560
QY 1561 TTTCTGTGCAAAATTTAATTAATGAAAGATGAGAAAGAGGGAATGATCTTTTCAA 1620

Db 1561 TTCCCTGTCAAAATTTAATTAAGTAAGAAAGTAAGAAAGTAAGTAAGTCTTCCAA 1620
QY 1621 ATTCAAGAAAGACCTG 1636
Db 1621 ATTCAAGAAAGACCTG 1636

RESULT 6

US-10-184-642-521
; Sequence 521, Application US/10184642
; Publication No. US20030157635A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C194
; CURRENT APPLICATION NUMBER: US/10/184, 642
; PRIOR FILING DATE: 2002-06-27
; PRIOR Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-642-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;

Best Local Similarity 100.0%; Pred. No. 0;
Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GATCAGTGTGTGAGGAAGTCCATCATGAGTCTGTGACAGTCTTGGTATTTCTGC 60
Db 1 GATCAGTGTGTGAGGAAGTCCATCATGAGTCTGTGACAGTCTTGGTATTTCTGC 60
QY 61 TCTGTGAGCTCTTCTGTGTGCTGTGTGATTTCTGTGTGAGAAAGTCTGTGTGCTGTG 120
Db 61 TCTGTGAGCTCTTCTGTGTGCTGTGTGATTTCTGTGTGAGAAAGTCTGTGTGCTGTG 120
QY 121 ACATGAGCCATTTGGCTTAATGTCAAGTCAATTTCTGAAGAGCTCATAGTAGAGGCCATG 180
Db 121 ACATGAGCCATTTGGCTTAATGTCAAGTCAATTTCTGAAGAGCTCATAGTAGAGGCCATG 180
QY 181 AGGTAAAGATTTGACTCACTCAAGGCTTCGTTAATTTGACTCAGAGAACCTTCTGCAT 240
Db 181 AGGTAAAGATTTGACTCACTCAAGGCTTCGTTAATTTGACTCAGAGAACCTTCTGCAT 240
QY 241 TGAATTTGAGTGTGTCATATGCTCAAGAGACAGAAAGAAATGAAATATTTGTTG 300
Db 241 TGAATTTGAGTGTGTCATATGCTCAAGAGACAGAAAGAAATGAAATATTTGTTG 300
QY 301 ACCTACTCTGATATGCTTGGCCAGGCTTATCAACCTGGCAATCATGTTATTAATTAATG 360
Db 301 ACCTACTCTGATATGCTTGGCCAGGCTTATCAACCTGGCAATCATGTTATTAATTAATG 360
QY 361 ATTTTGTGTGAATTAAGAGAACTTTAAATTAATGATGTGTGAGAGCTTATCTCAATC 420
Db 361 ATTTTGTGTGAATTAAGAGAACTTTAAATTAATGATGTGTGAGAGCTTATCTCAATC 420
QY 421 AGAGCTTATGAAGAGCTACAGAGAAACCACTAGAGATGTAATGCTTATAGACCTGTGA 480
Db 421 AGAGCTTATGAAGAGCTACAGAGAAACCACTAGAGATGTAATGCTTATAGACCTGTGA 480

QY 481 TTCCCTGTGAGACCTGATGTGCTGAGTCTTGTGACAGTCCCTTTTGTGCTCACACTAGA 540
Db 481 TTCCCTGTGAGACCTGATGTGCTGAGTCTTGTGACAGTCCCTTTTGTGCTCACACTAGA 540
QY 541 TTTCTGTAGAGGCAATATGAGAGCGAAGCTGTGGAAACTTCCAGCTTCCATG 600
Db 541 TTTCTGTAGAGGCAATATGAGAGCGAAGCTGTGGAAACTTCCAGCTTCCATG 600
QY 601 TACCTGTGCTTATGACAGACTTACAGACAGATGACTTTTGTGAAAGATTAATTT 660
Db 601 TACCTGTGCTTATGACAGACTTACAGACAGATGACTTTTGTGAAAGATTAATTT 660
QY 661 CATGCTTTCAGTTTGTTCACCTCTGTGATTCAGAGTATACGACTATTTTGGGAAG 720
Db 661 CATGCTTTCAGTTTGTTCACCTCTGTGATTCAGAGTATACGACTATTTTGGGAAG 720
QY 721 AGTTTATAGTAAGGATTTAGAAAGGCCACCTACATTAATGTGAGACTGTGGAAAGCTG 780
Db 721 AGTTTATAGTAAGGATTTAGAAAGGCCACCTACATTAATGTGAGACTGTGGAAAGCTG 780
QY 781 AGATATGCTTATATGAGAAATATTTGGATTTTGAATTTCTTCAACATACCACTTAAT 840
Db 781 AGATATGCTTATATGAGAAATATTTGGATTTTGAATTTCTTCAACATACCACTTAAT 840
QY 841 TTGAGTTTGTGAGAGATTCAGTGAACCTGCCAAGCTTGGCTTAAGAAATGAA 900
Db 841 TTGAGTTTGTGAGAGATTCAGTGAACCTGCCAAGCTTGGCTTAAGAAATGAA 900
QY 901 ATTTTGTCCAGAGTTTCAGGGGAAGATGTATGTGTGTTTCTGTGGGTCACTGTTC 960
Db 901 ATTTTGTCCAGAGTTTCAGGGGAAGATGTATGTGTGTTTCTGTGGGTCACTGTTC 960
QY 961 AAAATGTTACAGAGAAAGGCTAATATATGCTTCAAGCTTGGCTTCCAGATCCACAGA 1020
Db 961 AAAATGTTACAGAGAAAGGCTAATATATGCTTCAAGCTTGGCTTCCAGATCCACAGA 1020
QY 1021 AGGTGTTATGAGAGTACAAAGGAAAGAAACCATCCACATTAAGAGCCATATCTGGCTGT 1080
Db 1021 AGGTGTTATGAGAGTACAAAGGAAAGAAACCATCCACATTAAGAGCCATATCTGGCTGT 1080
QY 1081 ATGATTTGATATCCCAAGATGATCTTCTGTGATCCCAAAACCAAGCTTTATCACTC 1140
Db 1081 ATGATTTGATATCCCAAGATGATCTTCTGTGATCCCAAAACCAAGCTTTATCACTC 1140
QY 1141 ATGTGTGAATGAATGGATCTATGAAGCTATTTACATGAGGCTTCTATGTGTGAGTTC 1200
Db 1141 ATGTGTGAATGAATGGATCTATGAAGCTATTTACATGAGGCTTCTATGTGTGAGTTC 1200
QY 1201 CCAATTTGGTATGACGCTTGAATCAATAGCTCAATGAAGGCCAAAGAGAGAGCTGTAG 1260
Db 1201 CCAATTTGGTATGACGCTTGAATCAATAGCTCAATGAAGGCCAAAGAGAGAGCTGTAG 1260
QY 1261 AAATAAATCTTCAAACTATAGCAAGGAGATTTTCTGAGGCTTGTGAGAAAGTCAATTA 1320
Db 1261 AAATAAATCTTCAAACTATAGCAAGGAGATTTTCTGAGGCTTGTGAGAAAGTCAATTA 1320
QY 1321 CCGATTTCTTATTAAGAAATGCTATGAGATTTCAAGAAATTCACATGATCAACCTG 1380
Db 1321 CCGATTTCTTATTAAGAAATGCTATGAGATTTCAAGAAATTCACATGATCAACCTG 1380
QY 1381 TAAAGCCCTTATATGAGAGAGCTTCTGATGAGATTTGTCATGAGGCCAAAGAGAGCA 1440
Db 1381 TAAAGCCCTTATATGAGAGAGCTTCTGATGAGATTTGTCATGAGGCCAAAGAGAGCA 1440
QY 1441 AGCAGCTGAGATCAGCTGCCATGACCTTCAGTGTTCAGAGACTACTATATAGATGTA 1500
Db 1441 AGCAGCTGAGATCAGCTGCCATGACCTTCAGTGTTCAGAGACTACTATATAGATGTA 1500
QY 1501 TTGGGTTCTGCTGACCTGTGTGAGAACTGTATATTTCTGTTCACAAATATGTTTTAT 1560
Db 1501 TTGGGTTCTGCTGACCTGTGTGAGAACTGTATATTTCTGTTCACAAATATGTTTTAT 1560
QY 1561 TTTCCTGTCAAAATTTAATAAATAGAAAGATGAAAGAGGAAATGATCTTCCAA 1620

Db 1561 TTTCTCTCAAAAATTATTAATAAAGTAAAGATGAAAGAGGAGATATGCTTTCCAA 1620
Qy 1621 ATTCAGAAAAGCCTG 1636
Db 1621 ATTCAGAAAAGCCTG 1636

RESULT 7
US-10-196-747-521
Sequence 521, Application US/10196747
Publication No. US20030162250A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C346
CURRENT APPLICATION NUMBER: US/10/196,747
CURRENT FILING DATE: 2002-07-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 521
LENGTH: 2974
TYPE: DNA
ORGANISM: Homo Sapien
US-10-196-747-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;
Best Local Similarity 100.0%; Pied. No. 0;
Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GATCAGGTGTGAGGAGAACTGCATCATGAGTGTGCAAGTCAAGTCTTGGTATTTCTGC 60
Db 1 GATCAGGTGTGAGGAGAACTGCATCATGAGTGTGCAAGTCAAGTCTTGGTATTTCTGC 60
Qy 61 TCCTGCAAGCTCTTCTGTGTGGTGGTGTGAGATTCTGTGGAAAAGTCTGTGTGGCCCTGTG 120
Db 61 TCCTGCAAGCTCTTCTGTGTGGTGGTGTGAGATTCTGTGGAAAAGTCTGTGTGGCCCTGTG 120
Qy 121 ACATGAGCCATGTGCTTAATGTCAAGGTCATCTTAAGAAAGCTCATATGTGAGAGCCATG 180
Db 121 ACATGAGCCATGTGCTTAATGTCAAGGTCATCTTAAGAAAGCTCATATGTGAGAGCCATG 180
Qy 181 AGGTAAAGATTAATGACTCACTCAAGGCTTGTATTAATGACTACAGAAAGCTTCTGCAT 240
Db 181 AGGTAAAGATTAATGACTCACTCAAGGCTTGTATTAATGACTACAGAAAGCTTCTGCAT 240
Qy 241 TGAATTTGAGGTGTGCATATGCAAGAGCAAGAAAGAAATGAATATTTGTTG 300
Db 241 TGAATTTGAGGTGTGCATATGCAAGAGCAAGAAAGAAATGAATATTTGTTG 300
Qy 301 ACCTAGCTGGAAGTCTTGGCAAGGCTTAATCAAGCTGCAATCGTTATTAATAATTAATG 360
Db 301 ACCTAGCTGGAAGTCTTGGCAAGGCTTAATCAAGCTGCAATCGTTATTAATAATTAATG 360
Qy 361 ATTTTGTGTAATAAGAGAACTTTAAATGATGTGTGAGAGCTTTATCTACAATC 420
Db 361 ATTTTGTGTAATAAGAGAACTTTAAATGATGTGTGAGAGCTTTATCTACAATC 420
Qy 421 AGAGCTTTATGAAGAGCTACAGAAACCAATACATGATGATCTTATAGACCTGTGA 480
Db 421 AGAGCTTTATGAAGAGCTACAGAAACCAATACATGATGATCTTATAGACCTGTGA 480

Qy 481 TTCTGTGAGAGCTGATGCTGAGTGTGCTGACCTCTTTGTGCTCACACTTAGAA 540
Db 481 TTCTGTGTGAGAGCTGATGCTGAGTGTGCTGACCTCTTTGTGCTCACACTTAGAA 540
Qy 541 TTTCTGTGAGAGCAATATGAGAGCGAAGCTGTGGAAAATTCCAGCTTCCACTTCTTAG 600
Db 541 TTTCTGTGAGAGCAATATGAGAGCGAAGCTGTGGAAAATTCCAGCTTCCACTTCTTAG 600
Qy 601 TACCTGTGCTTAAGAGAGCTTAACAGACAGAAATGACCTTTCTGGAAGGTAATAAATT 660
Db 601 TACCTGTGCTTAAGAGAGCTTAACAGACAGAAATGACCTTTCTGGAAGGTAATAAATT 660
Qy 661 CAATGCTTTCAGTTTGTTCACCTTGTGATTCAGAGTTTACAGATTAATTTTGGGAG 720
Db 661 CAATGCTTTCAGTTTGTTCACCTTGTGATTCAGAGTTTACAGATTAATTTTGGGAG 720
Qy 721 AGTTTATAGTAAGCAATTAGAAAGCCCACTACATTATGTGAGACTGTGGAAAAGCTG 780
Db 721 AGTTTATAGTAAGCAATTAGAAAGCCCACTACATTATGTGAGACTGTGGAAAAGCTG 780
Qy 781 AGATATGGCTTAATAGAAACATATTTGGGATTTGAATTTCTCAACCATACCAACTACT 840
Db 781 AGATATGGCTTAATAGAAACATATTTGGGATTTGAATTTCTCAACCATACCAACTACT 840
Qy 841 TTGAGTTTGTGAGAGATTGCACTGTAAACCTGCCAAAGCTTTCCTTAAGAAATGAAA 900
Db 841 TTGAGTTTGTGAGAGATTGCACTGTAAACCTGCCAAAGCTTTCCTTAAGAAATGAAA 900
Qy 901 ATTTTGTCCAGAGTTCAAGGGAAGATGTATTTGTGTGTTTCTGTGGGCTCATGTTTC 960
Db 901 ATTTTGTCCAGAGTTCAAGGGAAGATGTATTTGTGTGTTTCTGTGGGCTCATGTTTC 960
Qy 961 AAAATGTTACAGAAAGAAAGGCTTAATATCATTTGCTCAGCCCTTGCCAGATCCACAGA 1020
Db 961 AAAATGTTACAGAAAGAAAGGCTTAATATCATTTGCTCAGCCCTTGCCAGATCCACAGA 1020
Qy 1021 AGGTGTTATGAGAGTCAAAAGAAAGAAACCATCACTTATGAGAGCAATATCTGCTGT 1080
Db 1021 AGGTGTTATGAGAGTCAAAAGAAAGAAACCATCACTTATGAGAGCAATATCTGCTGT 1080
Qy 1081 ATGATTTGATATCCCAAGATGATCTTCTGTGTATCCCAAAACCAAGCTTTATCATCTC 1140
Db 1081 ATGATTTGATATCCCAAGATGATCTTCTGTGTATCCCAAAACCAAGCTTTATCATCTC 1140
Qy 1141 ATGTGGAATGAATGGAATCTATGAAGCTATTAACAATGGGGTCCATGTGTGGAGTTTC 1200
Db 1141 ATGTGGAATGAATGGAATCTATGAAGCTATTAACAATGGGGTCCATGTGTGGAGTTTC 1200
Qy 1201 CCATATTTGTGATCAGCTTGTATATAGCTCAATGAGGCAAGAGAGAGAGCTGTAG 1260
Db 1201 CCATATTTGTGATCAGCTTGTATATAGCTCAATGAGGCAAGAGAGAGAGCTGTAG 1260
Qy 1261 AAATTAACCTTCAAACTATGACAGAGAGATTTACTGAGGGCTTTGAGAAAGCTATTA 1320
Db 1261 AAATTAACCTTCAAACTATGACAGAGAGATTTACTGAGGGCTTTGAGAAAGCTATTA 1320
Qy 1321 CGGATTCCTCTTAATAAGAGAAATGCTATGAGATTAACAAGAAATTCACATGATCAACTG 1380
Db 1321 CGGATTCCTCTTAATAAGAGAAATGCTATGAGATTAACAAGAAATTCACATGATCAACTG 1380
Qy 1381 TAAAGCCCTAGATGAGAGAGTCTTCTGATTCAGATTTGTCAATGCCCAAAAGAGCCA 1440
Db 1381 TAAAGCCCTAGATGAGAGAGTCTTCTGATTCAGATTTGTCAATGCCCAAAAGAGCCA 1440
Qy 1441 AGCACTGTGATGAGCTGCCATGACCTCACTGTGTTCCAGACATACCTTAATGATGTGA 1500
Db 1441 AGCACTGTGATGAGCTGCCATGACCTCACTGTGTTCCAGACATACCTTAATGATGTGA 1500
Qy 1501 TTGGGTTCTGCTGAGACTGTGTGGCAATGCTATATTTCTGTTCAAAAATGTTTTAT 1560
Db 1501 TTGGGTTCTGCTGAGACTGTGTGGCAATGCTATATTTCTGTTCAAAAATGTTTTAT 1560
Qy 1561 TTTCTGTCAAAAATTATTAATAAAGTAAAGATGAAAGAGGAAATAGATCTTTCCAA 1620

Db 1561 TTCCCTGTCAAAATTTAATAAAGTAGAAGAGAGAAATAGATCTTCCAA 1620
QY 1621 ATTCAGAAAAGACTG 1636
Db 1621 ATTCAGAAAAGACTG 1636

RESULT 8

US-10-173-689-521
Sequence 521, Application US/10173689
Publication No. US2003016104A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C10
CURRENT APPLICATION NUMBER: US/10/173,689
CURRENT FILING DATE: 2002-06-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 521
LENGTH: 2974
TYPE: DNA
ORGANISM: Homo Sapien
US-10-173-689-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;

Best Local Similarity 100.0%; Pred. No. 0;
Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GATCAGTGTGTGAGGAACTGCATCATGAGTCTGCAAGTGGTGGTATTTCTGC 60
Db 1 GATCAGTGTGTGAGGAACTGCATCATGAGTCTGCAAGTGGTGGTATTTCTGC 60
QY 61 TCTGCAAGCTCTTCTGTGTGCTGTGTGATTTCTGTGGAAAGTCTGTGTGCTGTG 120
Db 61 TCTGCAAGCTCTTCTGTGTGCTGTGTGATTTCTGTGGAAAGTCTGTGTGCTGTG 120
QY 121 ACATGAGCCATTGGCTTAATGTCAAGTCTTTCTAAGAGCTCATATGTAGAGGCTATG 180
Db 121 ACATGAGCCATTGGCTTAATGTCAAGTCTTTCTAAGAGCTCATATGTAGAGGCTATG 180
QY 181 AGGTAAAGATTTGACTCAAGGCTTCGTTAATGACTACAGAAAGCTTCTGCAT 240
Db 181 AGGTAAAGATTTGACTCAAGGCTTCGTTAATGACTACAGAAAGCTTCTGCAT 240
QY 241 TGAATTTGAGGTGTCCATATGCAAGAGACAAAGAGAAATGAAATTTGTTG 300
Db 241 TGAATTTGAGGTGTCCATATGCAAGAGACAAAGAGAAATGAAATTTGTTG 300
QY 301 ACCTACTCTGAATGTCTTCCAGGCTTATCAACCTGGCAATGATTAATAATTAAG 360
Db 301 ACCTACTCTGAATGTCTTCCAGGCTTATCAACCTGGCAATGATTAATAATTAAG 360
QY 361 ATTTTGTGTTGAATTAAGAACTTTAAATGATGTGTGAGCTTATCTACATC 420
Db 361 ATTTTGTGTTGAATTAAGAACTTTAAATGATGTGTGAGCTTATCTACATC 420
QY 421 AGAGCTTATGAAGAACTACAGAAACCAATACATGATGATGATTAAGACCTGTGA 480
Db 421 AGAGCTTATGAAGAACTACAGAAACCAATACATGATGATGATTAAGACCTGTGA 480

QY 481 TTCCCTGTGAGACCTGATGCTGAGTGTCTTGACAGTCCCTTTTGTCTCACTAGAA 540
Db 481 TTCCCTGTGAGACCTGATGCTGAGTGTCTTGACAGTCCCTTTTGTCTCACTAGAA 540
QY 541 TTTCTGTAGAGGCAATATGAGAGCGAAGCTGTGGAACTTCCAGCTTCCATG 600
Db 541 TTTCTGTAGAGGCAATATGAGAGCGAAGCTGTGGAACTTCCAGCTTCCATG 600
QY 601 TACCTGTGCTATGACAGACTTAACAGACAAATGACTTTCTGGAATAAGTAAATTT 660
Db 601 TACCTGTGCTATGACAGACTTAACAGACAAATGACTTTCTGGAATAAGTAAATTT 660
QY 661 CAATGCTTCAAGTTTGTCTTCCACTTGTGATTCAGGATTAACGATATTTTGGGAAG 720
Db 661 CAATGCTTCAAGTTTGTCTTCCACTTGTGATTCAGGATTAACGATATTTTGGGAAG 720
QY 721 AGTTTATAGTAAGGATTAGGAAGGCCCACTACATTAATGTGAGACTGTGGAAAAGCTG 780
Db 721 AGTTTATAGTAAGGATTAGGAAGGCCCACTACATTAATGTGAGACTGTGGAAAAGCTG 780
QY 781 AGATATGCTAATATGACAACTATTTGGGATTTTGAATTTCTCAACCATACCACTAAT 840
Db 781 AGATATGCTAATATGACAACTATTTGGGATTTTGAATTTCTCAACCATACCACTAAT 840
QY 841 TTGAGTTTGTGAGAGATTGCACTGTAAACCTGCCAAAGCTTGGCTTAAGAAATGAAA 900
Db 841 TTGAGTTTGTGAGAGATTGCACTGTAAACCTGCCAAAGCTTGGCTTAAGAAATGAAA 900
QY 901 ATTTTGTCCAGAGTTCCAGGGGAAGATGTATGTGTGTGTTTCTCTGTGGGTCACTGTTC 960
Db 901 ATTTTGTCCAGAGTTCCAGGGGAAGATGTATGTGTGTGTTTCTCTGTGGGTCACTGTTC 960
QY 961 AAAATGTTACAGAAAGAAAGGCTAATATCATTTGCTTACGCTTGTGCCAGATCCCAAGA 1020
Db 961 AAAATGTTACAGAAAGAAAGGCTAATATCATTTGCTTACGCTTGTGCCAGATCCCAAGA 1020
QY 1021 AGGTGTTATGAGAGTTCAAGAAAGAAACCATCCACATTAAGAGCAATATCTGGCTGT 1080
Db 1021 AGGTGTTATGAGAGTTCAAGAAAGAAACCATCCACATTAAGAGCAATATCTGGCTGT 1080
QY 1081 ATGATTTGATACCCCAAGATGATCTTCTGTGATCTCCAAAACCAAGCTTTATCACTC 1140
Db 1081 ATGATTTGATACCCCAAGATGATCTTCTGTGATCTCCAAAACCAAGCTTTATCACTC 1140
QY 1141 ATGTGGAATTAATGAGGATCTATGAAGCTATTTACATGGGCTCTTATGTGGAGTTTC 1200
Db 1141 ATGTGGAATTAATGAGGATCTATGAAGCTATTTACATGGGCTCTTATGTGGAGTTTC 1200
QY 1201 CCAATTTGATGATGAGTGTGATTAATGATGCTCAATGAAAGCCAAAGAGAGCTGTAG 1260
Db 1201 CCAATTTGATGATGAGTGTGATTAATGATGCTCAATGAAAGCCAAAGAGAGCTGTAG 1260
QY 1261 AAATAAATCTCAAACTATGACAAAGAGATTTTACTGAGGCTTGTGAGAAAGTCAATTA 1320
Db 1261 AAATAAATCTCAAACTATGACAAAGAGATTTTACTGAGGCTTGTGAGAAAGTCAATTA 1320
QY 1321 CCGATTTCTCTTAATAAGAAATGCTATGAGATTAAGAAATTCACATGATCAACCTG 1380
Db 1321 CCGATTTCTCTTAATAAGAAATGCTATGAGATTAAGAAATTCACATGATCAACCTG 1380
QY 1381 TAAAGCCCTTAATGAGAGAGCTTCTGATGAGATTTGCAATGGCCCAAAAGAGCCA 1440
Db 1381 TAAAGCCCTTAATGAGAGAGCTTCTGATGAGATTTGCAATGGCCCAAAAGAGCCA 1440
QY 1441 AGCAGCTGAGATCAGCTGCCATGACCTGACCTGTGTTCCAGACATACCTATATAGATGTA 1500
Db 1441 AGCAGCTGAGATCAGCTGCCATGACCTGACCTGTGTTCCAGACATACCTATATAGATGTA 1500
QY 1501 TTGGGTTCTGCTGACCTGTGTGGCAACTGTCTATATTTCTGTTCAAAAATGTTTTTAT 1560
Db 1501 TTGGGTTCTGCTGACCTGTGTGGCAACTGTCTATATTTCTGTTCAAAAATGTTTTTAT 1560
QY 1561 TTTCCTGTCAAAAATTTAATAAAGTAGAAGATGAAAGAGGAAATGATCTTCCAA 1620

Db 1561 TTTCCTGTCAAAATTTAATAAACTAGAAAGATAGAAAGGAGATAGATCTTCCAA 1620
Qy 1621 ATTCAAGAAAGACCTG 1636
Db 1621 ATTCAAGAAAGACCTG 1636

RESULT 9

US-10-173-690-521
Sequence 521, Application US/10173690
Publication No. US20030166105A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Matanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P43081C9
CURRENT APPLICATION NUMBER: US/10/173,690
CURRENT FILING DATE: 2002-06-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 521
LENGTH: 2974
TYPE: DNA
ORGANISM: Homo Sapien
US-10-173-690-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GATCAGTGTGTGAGGAACTGCATCATGAGTGTGACAAAGCTTTGGTATTTCTGC 60
Db 1 GATCAGTGTGTGAGGAACTGCATCATGAGTGTGACAAAGCTTTGGTATTTCTGC 60
Qy 61 TCCGTGAGCTCTTCTGTGTGGCTGTGATTTCTGTGGAAAGTCTGTGGCCCTGTG 120
Db 61 TCCGTGAGCTCTTCTGTGTGGCTGTGATTTCTGTGGAAAGTCTGTGGCCCTGTG 120
Qy 121 ACATGAGCCATTGGCTTAATGTCAAGGCTCTTCTAGAGAGCTCATAGTGTGAGAGCCATG 180
Db 121 ACATGAGCCATTGGCTTAATGTCAAGGCTCTTCTAGAGAGCTCATAGTGTGAGAGCCATG 180
Qy 181 AGGTAAAGATTAATGACTCACTCAAGGCTTCTGTTAATGACTACAGAGGCTTTCTGCAT 240
Db 181 AGGTAAAGATTAATGACTCACTCAAGGCTTCTGTTAATGACTACAGAGGCTTTCTGCAT 240
Qy 241 TGAATTTGAGTGTGTGCTCAATGTGCAAGAGCAAGAAAGAAATGAATATTTGTG 300
Db 241 TGAATTTGAGTGTGTGCTCAATGTGCAAGAGCAAGAAAGAAATGAATATTTGTG 300
Qy 301 ACCTAGCTGGAATGTCTTGCAGAGGCTTATCAACCTGGCAATCAGTTATTAATTAATG 360
Db 301 ACCTAGCTGGAATGTCTTGCAGAGGCTTATCAACCTGGCAATCAGTTATTAATTAATG 360
Qy 361 ATTTTGTGTTGAATAAGAGAACTTTAAATGATGTGTGAGAGCTTTATCTACATC 420
Db 361 ATTTTGTGTTGAATAAGAGAACTTTAAATGATGTGTGAGAGCTTTATCTACATC 420
Qy 421 AGAGGCTTAAGAGAGCTACAGAAACCAACTGATGTATGTCTTATAGACCTGTGA 480
Db 421 AGAGGCTTAAGAGAGCTACAGAAACCAACTGATGTATGTCTTATAGACCTGTGA 480
Qy 480 AGAGGCTTAAGAGAGCTACAGAAACCAACTGATGTATGTCTTATAGACCTGTGA 480

Qy 481 TTCCCTGTGAGAGCTGATGTGCTGAGTGTGCTGAGTGTGCTGCTTGTGCTCACATTAGAA 540
Db 481 TTCCCTGTGAGAGCTGATGTGCTGAGTGTGCTGAGTGTGCTGCTTGTGCTCACATTAGAA 540
Qy 541 TTTCTGTAGAGGCAATATGAGAGCAAGCTGTGGGAAAGCTTCCAGCTTCTCTATG 600
Db 541 TTTCTGTAGAGGCAATATGAGAGCAAGCTGTGGGAAAGCTTCCAGCTTCTCTATG 600
Qy 601 TACCTGTGCTTAAGAGAGCTAAGAGCAAGATGACTTTCTGAAAGAGTAAATTAAT 660
Db 601 TACCTGTGCTTAAGAGAGCTAAGAGCAAGATGACTTTCTGAAAGAGTAAATTAAT 660
Qy 661 CAATGCTTCAAGTTTGTTCACCTTGTGATTCAGAGATTAACAATATTTTGGAGAG 720
Db 661 CAATGCTTCAAGTTTGTTCACCTTGTGATTCAGAGATTAACAATATTTTGGAGAG 720
Qy 721 AGTTTATATGTAAGGCAATATGAGAGGCACTTCAATTAATGTGAGCTGTGGGAAAGCTG 780
Db 721 AGTTTATATGTAAGGCAATATGAGAGGCACTTCAATTAATGTGAGCTGTGGGAAAGCTG 780
Qy 781 AGATATGCTAATATGAGAGCAATATGAGAGTGTGAAATTTCTCAACCAATCACTAAT 840
Db 781 AGATATGCTAATATGAGAGCAATATGAGAGTGTGAAATTTCTCAACCAATCACTAAT 840
Qy 841 TTGAGTTTGTGAGAGATTCACCTGTAACCTGCAAGAGCTTTGCTAAGAGAAATGAGAA 900
Db 841 TTGAGTTTGTGAGAGATTCACCTGTAACCTGCAAGAGCTTTGCTAAGAGAAATGAGAA 900
Qy 901 ATTTTGTCCAGATTCAGAGGAGAGATGTATGTGTGTGTGTGTGTGTGTGTGTGTGTG 960
Db 901 ATTTTGTCCAGATTCAGAGGAGAGATGTATGTGTGTGTGTGTGTGTGTGTGTGTGTG 960
Qy 961 AAAATGTTACAGAGAAAGGCTAATATATCATGCTTCAAGCTTGTGCAAGATCCACAGA 1020
Db 961 AAAATGTTACAGAGAAAGGCTAATATATCATGCTTCAAGCTTGTGCAAGATCCACAGA 1020
Qy 1021 AGGTGTATGAGAGTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1080
Db 1021 AGGTGTATGAGAGTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1080
Qy 1081 ATGATTTGATATCCCGAATGATCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 1140
Db 1081 ATGATTTGATATCCCGAATGATCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 1140
Qy 1141 ATGAGGAAATGAAATGAGATCTATGAGCTATTAACATGAGGAGGAGGAGGAGGAGG 1200
Db 1141 ATGAGGAAATGAAATGAGATCTATGAGCTATTAACATGAGGAGGAGGAGGAGGAGG 1200
Qy 1201 CCATATTTGTGATCAGCTTGTATATAGCTTCAATGAGGCAAGAGGAGGAGGAGGAGG 1260
Db 1201 CCATATTTGTGATCAGCTTGTATATAGCTTCAATGAGGCAAGAGGAGGAGGAGGAGG 1260
Qy 1261 AAATTAATCTCAAACTATGAGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1320
Db 1261 AAATTAATCTCAAACTATGAGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1320
Qy 1321 CGGATTCCTCTTAATAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1380
Db 1321 CGGATTCCTCTTAATAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1380
Qy 1381 TAAAGCCCTAGATCAGAGAGTCTTGTGATCAGAGTGTGTGATGAGGAGGAGGAGG 1440
Db 1381 TAAAGCCCTAGATCAGAGAGTCTTGTGATCAGAGTGTGTGATGAGGAGGAGGAGG 1440
Qy 1441 AGCACTGTGATAGCTGCTGATGAGCTTCACTGTGTGTGTGTGTGTGTGTGTGTGTGTG 1500
Db 1441 AGCACTGTGATAGCTGCTGATGAGCTTCACTGTGTGTGTGTGTGTGTGTGTGTGTGTG 1500
Qy 1501 TTGGGTTCCGTGAGAGCTGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1560
Db 1501 TTGGGTTCCGTGAGAGCTGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1560
Qy 1561 TTTCCTGTCAAAATTTAATAAACTAGAAAGATAGAAAGAGGAGATGATCTTCCAA 1620

Db 1561 TTTCGTCGCAAAATTAATAAACTAGAAAGATAGAAAAGGGAATGATCTTTCCAA 1620
QY 1621 ATTCAAGAAAGACTG 1636
Db 1621 ATTCAAGAAAGACTG 1636

RESULT 10

US-10-173-691-521
Sequence 521, Application US/10173691
Publication No. US2003016106A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: B3430R1C3
CURRENT APPLICATION NUMBER: US/10/173,691
CURRENT FILING DATE: 2002-06-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 521
LENGTH: 2974
TYPE: DNA
ORGANISM: Homo Sapien
US-10-173-691-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;

Best Local Similarity 100.0%; Pred. No. 0; Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GATCAGTGTGTGAGGAACTGCATCATGAGTCTGCAAGTCAAGCTTTGGTATTTCTGC 60
Db 1 GATCAGTGTGTGAGGAACTGCATCATGAGTCTGCAAGTCAAGCTTTGGTATTTCTGC 60
QY 61 TCCGTGAGCTCTTCTGTGTGGCTGTGTGATTTCTGTGGAAAGTCTGTGTGACCTTGTG 120
Db 61 TCCGTGAGCTCTTCTGTGTGGCTGTGTGATTTCTGTGGAAAGTCTGTGTGACCTTGTG 120
QY 121 ACATGAGCCATTGGCTTAATGTCAGAGTCAATGAGTCTAGAAAGCTCATAGTGAAGGCCATG 180
Db 121 ACATGAGCCATTGGCTTAATGTCAGAGTCAATGAGTCTAGAAAGCTCATAGTGAAGGCCATG 180
QY 181 AGGTAAAGATTTGACTCAAGGCTTCGTTAATGACTACAGGAAGCTTTCGAT 240
Db 181 AGGTAAAGATTTGACTCAAGGCTTCGTTAATGACTACAGGAAGCTTTCGAT 240
QY 241 TGAATTTGAGGTGTCCATATGCCACAGGACAGAACAGAAAGAAATGAAATATTTGTTG 300
Db 241 TGAATTTGAGGTGTCCATATGCCACAGGACAGAACAGAAAGAAATGAAATATTTGTTG 300
QY 301 ACCTAGCTGATGATGCTTCCAGGCTTATCAACCTGGCAATCAAGTTAATAAATTAATG 360
Db 301 ACCTAGCTGATGATGCTTCCAGGCTTATCAACCTGGCAATCAAGTTAATAAATTAATG 360
QY 361 ATTTTGTGTTGAATTAAGAACTTAAATGATGTGTGAGAGCTTATCTCAATC 420
Db 361 ATTTTGTGTTGAATTAAGAACTTAAATGATGTGTGAGAGCTTATCTCAATC 420
QY 421 AGAGCTTATGAAGAACTACAGAAACCAACTACATGATGATGATGATGATGATGATGATG 480
Db 421 AGAGCTTATGAAGAACTACAGAAACCAACTACATGATGATGATGATGATGATGATGATG 480

QY 481 TTCCCTGTGAGAGCTGATGCTGAGTGTGCAATCCCTTTTGTCTCACTAGAA 540
Db 481 TTCCCTGTGAGAGCTGATGCTGAGTGTGCAATCCCTTTTGTCTCACTAGAA 540
QY 541 TTTCTGTGAGAGCAATATGAGCGAAGCTGTGGAACTTCCAGCTTCTCTATG 600
Db 541 TTTCTGTGAGAGCAATATGAGCGAAGCTGTGGAACTTCCAGCTTCTCTATG 600
QY 601 TACCTGTGCTATGACAGACTTAACAGACAGATGACCTTTCTGGAAGAGTAAATTT 660
Db 601 TACCTGTGCTATGACAGACTTAACAGACAGATGACCTTTCTGGAAGAGTAAATTT 660
QY 661 CAATGCTTCAAGTTTGTCCACTTCTGATTCAGGATTCAGACTATCAATTTTGGGAA 720
Db 661 CAATGCTTCAAGTTTGTTCACCTTCTGATTCAGGATTCAGACTATCAATTTTGGGAA 720
QY 721 AGTTTATATGATGAGGATTAAGAGGCCACTACATATATGTGAGACTGTGGGAAAGCTG 780
Db 721 AGTTTATATGATGAGGATTAAGAGGCCACTACATATATGTGAGACTGTGGGAAAGCTG 780
QY 781 AGATATGCTATATGACAACTATTTGGATTTTGAATTTCTCAACCACTCACTACT 840
Db 781 AGATATGCTATATGACAACTATTTGGATTTTGAATTTCTCAACCACTCACTACT 840
QY 841 TTGAGTTGTGAGAGATTGCACTGTAACCTGCCAAGCTTGGCTTAAGAAATGGA 900
Db 841 TTGAGTTGTGAGAGATTGCACTGTAACCTGCCAAGCTTGGCTTAAGAAATGGA 900
QY 901 ATTTTGTCCAGATTCAGGGGAAAGTATGTTGTGTTTCTCTGTGGGCTCACTGTTTC 960
Db 901 ATTTTGTCCAGATTCAGGGGAAAGTATGTTGTGTTTCTCTGTGGGCTCACTGTTTC 960
QY 961 AAAATGTTACAGAGAAAGGCTATATCATTTGCTTCAAGCTTGGCTTCCAGATCCACAG 1020
Db 961 AAAATGTTACAGAGAAAGGCTATATCATTTGCTTCAAGCTTGGCTTCCAGATCCACAG 1020
QY 1021 AGGTGTTATGAGAGTACAGAGAAAGGAAACATCCACATTAAGAGCAATATCTGGCTGT 1080
Db 1021 AGGTGTTATGAGAGTACAGAGAAAGGAAACATCCACATTAAGAGCAATATCTGGCTGT 1080
QY 1081 ATGATTTGATACCCCAAGATGATCTTCTGTGATCCCAAAACCAAGCTTTTATCACTC 1140
Db 1081 ATGATTTGATACCCCAAGATGATCTTCTGTGATCCCAAAACCAAGCTTTTATCACTC 1140
QY 1141 ATGTGGAATGATGAGATCTATGAAGCTATTTTACATGGGCTTCTATGTGGAGTTTC 1200
Db 1141 ATGTGGAATGATGAGATCTATGAAGCTATTTTACATGGGCTTCTATGTGGAGTTTC 1200
QY 1201 CCATATTTGGATGATGAGTCTTGAATCATGCTCAATGAAAGCCAAAGAGAGAGCTGTAG 1260
Db 1201 CCATATTTGGATGATGAGTCTTGAATCATGCTCAATGAAAGCCAAAGAGAGAGCTGTAG 1260
QY 1261 AAATAAATCTTCAAACTATGACAGAGAGATTTTCTGAGGCTTTGAGAAAGCTTATTA 1320
Db 1261 AAATAAATCTTCAAACTATGACAGAGAGATTTTCTGAGGCTTTGAGAAAGCTTATTA 1320
QY 1321 CCGATTTCTCTTATTAAGAAATGCTATGAGATTAAGAAATTAACCAATCAACTG 1380
Db 1321 CCGATTTCTCTTATTAAGAAATGCTATGAGATTAAGAAATTAACCAATCAACTG 1380
QY 1381 TGAAGCCCTTATGATGAGAGCTTCTGATGAGTTGTCAATGAGGCAAAAGAGGCA 1440
Db 1381 TGAAGCCCTTATGATGAGAGCTTCTGATGAGTTGTCAATGAGGCAAAAGAGGCA 1440
QY 1441 AGCACTGCGATCAGTGGCCATGACCTGATTCAGAGCTTATATGATGATG 1500
Db 1441 AGCACTGCGATCAGTGGCCATGACCTGATTCAGAGCTTATATGATGATG 1500
QY 1501 TTGGGTTCTGCTGATCCTGTGTGCACTGTATATTTCTGTTCAAAAATGTTTTAT 1560
Db 1501 TTGGGTTCTGCTGATCCTGTGTGCACTGTATATTTCTGTTCAAAAATGTTTTAT 1560
QY 1561 TTTCCTGTCAAAAATTTAATAAACTAGAAAGATGAAAGAGGGAATGATCTTTCCAA 1620

Db 1561 TTTCCTGTCAAAATTTATATTAACCTAGAAAGATAGAAAAGAGGATATGCTTTCCAA 1620
Qy 1621 ATTCAAGAAAGACCTG 1636
Db 1621 ATTCAAGAAAGACCTG 1636

RESULT 12

US-10-173-694-521
Sequence 521, Application US/10173694
Publication No. US2003016107A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P430R1C19
CURRENT APPLICATION NUMBER: US/10/173,694
CURRENT FILING DATE: 2002-06-17
Pilot Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 521
LENGTH: 2974
TYPE: DNA
ORGANISM: Homo Sapien
US-10-173-694-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;

Best Local Similarity 100.0%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;

Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GATCAGTGTGTGAGGAACTGCATCATGAGTCTGCAAGTCAAGCTTTGGTATTTCTGC 60
Db 1 GATCAGTGTGTGAGGAACTGCATCATGAGTCTGCAAGTCAAGCTTTGGTATTTCTGC 60
Qy 61 TCCTCGAGCTCTTCTGTGTGGCTGTGTGATTTCTGTGGAAGTCTGTGTGACCTGTG 120
Db 61 TCCTCGAGCTCTTCTGTGTGGCTGTGTGATTTCTGTGGAAGTCTGTGTGACCTGTG 120
Qy 121 ACATGAGCCATTGGCTTAATGATGAGTCAATCTTAAGAGCTCATAGTGAAGGCCATG 180
Db 121 ACATGAGCCATTGGCTTAATGATGAGTCAATCTTAAGAGCTCATAGTGAAGGCCATG 180
Qy 181 AGGTAAAGATTTGACTCAAGGCTTCGTTAATTTGACTACAGAAACCTTTCGAT 240
Db 181 AGGTAAAGATTTGACTCAAGGCTTCGTTAATTTGACTACAGAAACCTTTCGAT 240
Qy 241 TGAATTTGAGGTGTCTCATATGCGACAGACAGAACAGAAATGAATATTTGTTG 300
Db 241 TGAATTTGAGGTGTCTCATATGCGACAGACAGAACAGAAATGAATATTTGTTG 300
Qy 301 ACCTAGCTGGAATGCTTCCAGGCTTATCAACCTGGCAATCACTTAATTAATTAATG 360
Db 301 ACCTAGCTGGAATGCTTCCAGGCTTATCAACCTGGCAATCACTTAATTAATTAATG 360
Qy 361 ATTATTTTGTGAATTAAGAACTTTAAATTAATGATGTGTGAGAGCTTTATCTACATC 420
Db 361 ATTATTTTGTGAATTAAGAACTTTAAATTAATGATGTGTGAGAGCTTTATCTACATC 420
Qy 421 AGAGCTTATGAAGAGCTACAGAAACCACTACATGATGATGATTTATGAGCCCTGTGA 480
Db 421 AGAGCTTATGAAGAGCTACAGAAACCACTACATGATGATGATTTATGAGCCCTGTGA 480

Qy 481 TTCCCTGTGAGAGCTGATGCTGAGTGTCTTGACATCCCTTTTGTCTCACTTAGAA 540
Db 481 TTCCCTGTGAGAGCTGATGCTGAGTGTCTTGACATCCCTTTTGTCTCACTTAGAA 540
Qy 541 TTTCGTAGAGGCAATATGAGCGAAGCTGTGGAACTTCCAGCTTCCATATG 600
Db 541 TTTCGTAGAGGCAATATGAGCGAAGCTGTGGAACTTCCAGCTTCCATATG 600
Qy 601 TACCTGTCTTATGACAGACTACAGACAGAAATGACTTTTGTGGAAGATTAATTT 660
Db 601 TACCTGTCTTATGACAGACTACAGACAGAAATGACTTTTGTGGAAGATTAATTT 660
Qy 661 CAATGCTTCAAGTTTGTCTCACTTCTGATTCAGGATTAAGCACTATTTTGGGAAG 720
Db 661 CAATGCTTCAAGTTTGTCTCACTTCTGATTCAGGATTAAGCACTATTTTGGGAAG 720
Qy 721 AGTTTATAGTAAGGATTAAGAAAGCCCACTACATTAATGTGAGACTGTGGAAAGCTG 780
Db 721 AGTTTATAGTAAGGATTAAGAAAGCCCACTACATTAATGTGAGACTGTGGAAAGCTG 780
Qy 781 AGATATGCTAATACAGACATATGGGATTTTGAATTTCTCAACCATACCACTTAAT 840
Db 781 AGATATGCTAATACAGACATATGGGATTTTGAATTTCTCAACCATACCACTTAAT 840
Qy 841 TTGAGTTTGTGAGAGATTTGCACTGTAAACCTGCCAAAGCTTGGCTTAAGAAATGAAA 900
Db 841 TTGAGTTTGTGAGAGATTTGCACTGTAAACCTGCCAAAGCTTGGCTTAAGAAATGAAA 900
Qy 901 ATTTTGTCCAGAGTTCCAGGGGAAGATGTATGTGTGTCTCTGTGGGATCACTGTTC 960
Db 901 ATTTTGTCCAGAGTTCCAGGGGAAGATGTATGTGTGTCTCTGTGGGATCACTGTTC 960
Qy 961 AAATGTTCACAGAAAGGCTAATATCATTTGCTTCAAGCTTGGCCAGATCCACAGA 1020
Db 961 AAATGTTCACAGAAAGGCTAATATCATTTGCTTCAAGCTTGGCCAGATCCACAGA 1020
Qy 1021 AGGTGTATGAGAGTACAAAGGAAAAAACAATCCACATTAAGAGCCATATCTGGCTGT 1080
Db 1021 AGGTGTATGAGAGTACAAAGGAAAAAACAATCCACATTAAGAGCCATATCTGGCTGT 1080
Qy 1081 ATGATTTGATACCCCAAGATGATCTTCTGTGTATCCCAAAACCAAGCTTTATCACTC 1140
Db 1081 ATGATTTGATACCCCAAGATGATCTTCTGTGTATCCCAAAACCAAGCTTTATCACTC 1140
Qy 1141 ATGTGGAATGAATGGATCTATGAAGCTATTTTCCATGGGGTCCCTATGTGGAGTTTC 1200
Db 1141 ATGTGGAATGAATGGATCTATGAAGCTATTTTCCATGGGGTCCCTATGTGGAGTTTC 1200
Qy 1201 CCATATTTGTATGATGAGTGTATTAATAGTCAATGAGGCAAGAGGAGAGCTGTAG 1260
Db 1201 CCATATTTGTATGATGAGTGTATTAATAGTCAATGAGGCAAGAGGAGAGCTGTAG 1260
Qy 1261 AAATAACTTCAAACTATGACAGGCAAGATTTTCTGAGGGCTTTGAGAAAGCTATTA 1320
Db 1261 AAATAACTTCAAACTATGACAGGCAAGATTTTCTGAGGGCTTTGAGAAAGCTATTA 1320
Qy 1321 CGGATTCCTCTTATTAAGGAATGCTATGAGATTTCAAGAAATTCACCATGATCAACTG 1380
Db 1321 CGGATTCCTCTTATTAAGGAATGCTATGAGATTTCAAGAAATTCACCATGATCAACTG 1380
Qy 1381 TAAAGCCCTTATGAGAGAGCTTCTGTGATGAGTGTGTCAATGAGGCAAGAGGAGCA 1440
Db 1381 TAAAGCCCTTATGAGAGAGCTTCTGTGATGAGTGTGTCAATGAGGCAAGAGGAGCA 1440
Qy 1441 AGCAGCTGAGATCAGCTGCCATGACCTGACCTGTGTTCCAGACCTATCTATAGATGTA 1500
Db 1441 AGCAGCTGAGATCAGCTGCCATGACCTGACCTGTGTTCCAGACCTATCTATAGATGTA 1500
Qy 1501 TTGGGTTCTGCTGACCTGTGTGGCACTGTATATTTCTTGTTCACAAATGTTTTTAT 1560
Db 1501 TTGGGTTCTGCTGACCTGTGTGGCACTGTATATTTCTTGTTCACAAATGTTTTTAT 1560
Qy 1561 TTTCCTGTCAAAATTTAATAAAGTAAAGATTAAGAAAGGGAATGATCTTTCCAA 1620

Db 1561 TTTCCTCTCAAAAATTATTAATTAAGTAAAGATAGAAAGAGGAGATATGCTTTCCAA 1620
Qy 1621 ATTCAGAAAAGACCTG 1636
Db 1621 ATTCAGAAAAGACCTG 1636
RESULT 13
US-10-173-698-521
Sequence 521, Application US/10173698
Publication No. US20030166108A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Deenoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zhen
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C12
CURRENT APPLICATION NUMBER: US/10/173,698
CURRENT FILING DATE: 2002-06-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 521
LENGTH: 2974
TYPE: DNA
ORGANISM: Homo Sapien
US-10-173-698-521
Query Match 100.0%; Score 1636; DB 13; Length 2974;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GATCAGTGTGTGAGGAACTGCAATGATGAGTCTGACAAATGCTTTGGTATTTCTGC 60
Db 1 GATGAGTGTGTGAGGAACTGCAATGATGAGTCTGACAAATGCTTTGGTATTTCTGC 60
Qy 61 TCCTGCAGCTCTTGTGTGTGCTGTGATTTCTGTGGAAAGTCTGTGTGCTGTG 120
Db 61 TCCTGCAGCTCTTGTGTGTGCTGTGATTTCTGTGGAAAGTCTGTGTGCTGTG 120
Qy 121 ACATGAGCCATTGCTTAATGTCAAGGCTTCTAGAAAGCTCATATGTGAGGCGCATG 180
Db 121 ACATGAGCCATTGCTTAATGTCAAGGCTTCTAGAAAGCTCATATGTGAGGCGCATG 180
Qy 181 AGGTAAAGATTTGATCACTCAAAAGCTTCTGTAATTTGATCAAGAAAGCTTCTGCAT 240
Db 181 AGGTAAAGATTTGATCACTCAAAAGCTTCTGTAATTTGATCAAGAAAGCTTCTGCAT 240
Qy 241 TGAATTTGAGTGTGCTATGTCCACAGACAGACAGAAAGAAATGAAATTTTGTG 300
Db 241 TGAATTTGAGTGTGCTATGTCCACAGACAGACAGAAAGAAATGAAATTTTGTG 300
Qy 301 ACCGAGCTGGAATGTCTTGCAGGCTTATCAAGCTGCAATGCTTATTAATTAATG 360
Db 301 ACCGAGCTGGAATGTCTTGCAGGCTTATCAAGCTGCAATGCTTATTAATTAATG 360
Qy 361 ATTTTGTGTAATTAAGAACTTTAAATGATGTGAGAGCTTTATCTCAATC 420
Db 361 ATTTTGTGTAATTAAGAACTTTAAATGATGTGAGAGCTTTATCTCAATC 420
Qy 421 AGAGCTTATTAAGAACTTAAGAACTTAAGAACTTAAGAACTTAAGAACTTAAGAACT 480
Db 421 AGAGCTTATTAAGAACTTAAGAACTTAAGAACTTAAGAACTTAAGAACTTAAGAACT 480

Qy 481 TTCCCTGTGAGAGCTGATGAGTGTGCTGAGTGTGCTGAGTGTGCTGAGTGTGCTGAG 540
Db 481 TTCCCTGTGAGAGCTGATGAGTGTGCTGAGTGTGCTGAGTGTGCTGAGTGTGCTGAG 540
Qy 541 TTTCTGTGAGAGGCAATATGAGAGGCAAGTGTGAGAACTTCCAGCTTCCATTTCTATG 600
Db 541 TTTCTGTGAGAGGCAATATGAGAGGCAAGTGTGAGAACTTCCAGCTTCCATTTCTATG 600
Qy 601 TACCTGTGCTTATGAGAGGCAATATGAGAGGCAAGTGTGAGAACTTCCAGCTTCCAT 660
Db 601 TACCTGTGCTTATGAGAGGCAATATGAGAGGCAAGTGTGAGAACTTCCAGCTTCCAT 660
Qy 661 CAATGCTTCAATTTGTTTCCATTTGAGATTTGAGATTTGAGATTTGAGATTTGAGAT 720
Db 661 CAATGCTTCAATTTGTTTCCATTTGAGATTTGAGATTTGAGATTTGAGATTTGAGAT 720
Qy 721 AGTTTATGTAAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAG 780
Db 721 AGTTTATGTAAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAG 780
Qy 781 AGATATGCTTATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAAT 840
Db 781 AGATATGCTTATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAAT 840
Qy 841 TTGAGTTTGTGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 900
Db 841 TTGAGTTTGTGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 900
Qy 901 ATTTTGTGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAG 960
Db 901 ATTTTGTGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAG 960
Qy 961 AAAATGTTACAGAAAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 1020
Db 961 AAAATGTTACAGAAAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 1020
Qy 1021 AGGTGTATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAG 1080
Db 1021 AGGTGTATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAG 1080
Qy 1081 ATGATGATGATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 1140
Db 1081 ATGATGATGATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 1140
Qy 1141 ATGATGATGATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 1200
Db 1141 ATGATGATGATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 1200
Qy 1201 CCATATTTGTGATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 1260
Db 1201 CCATATTTGTGATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 1260
Qy 1261 AAATTAATTTGATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 1320
Db 1261 AAATTAATTTGATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 1320
Qy 1321 CGAATTTCTTATTAAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 1380
Db 1321 CGAATTTCTTATTAAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 1380
Qy 1381 TAAAGCCCTGATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 1440
Db 1381 TAAAGCCCTGATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 1440
Qy 1441 AGCACTGATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAG 1500
Db 1441 AGCACTGATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAG 1500
Qy 1501 TTGGGTTCTGATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 1560
Db 1501 TTGGGTTCTGATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATGAGAGGCAATATG 1560
Qy 1561 TTTCCTGTCAAAAATTATTAATTAAGATTAAGAAAGGAGGAGATGATCTTTCCAA 1620

Db 1561 TTTCCTGTCAGAAATTTAATAAACTAGAAAGATAGAAAAGAGGAATAGATCTTTCCAA 1620
QY 1621 ATTCAAGAAAGACCTG 1636
Db 1621 ATTCAAGAAAGACCTG 1636

RESULT 14

US-10-173-699-521
Sequence 521, Application US/10173699
Publication No. US2003016109A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C8
CURRENT APPLICATION NUMBER: US/10/173,699
CURRENT FILING DATE: 2002-06-17
Prior Application removed - See File Wrapper or Paim
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 521
LENGTH: 2974
TYPE: DNA
ORGANISM: Homo Sapien
US-10-173-699-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;

Best Local Similarity 100.0%; Pred. No. 0;
Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GATCAGTGTGTGAGGAACTGCATCATGAGTCTGTGACAGTCAAGCTTTGGTATTTCTGC 60
Db 1 GATCAGTGTGTGAGGAACTGCATCATGAGTCTGTGACAGTCAAGCTTTGGTATTTCTGC 60
QY 61 TCTGTGAGCTCTTCTGTGTGCTGTGTGATTTCTGTGAGAAAGTCTGTGTGAGCTTGTG 120
Db 61 TCTGTGAGCTCTTCTGTGTGCTGTGTGATTTCTGTGAGAAAGTCTGTGTGAGCTTGTG 120
QY 121 ACATGAGCCATTTGGCTTAATGTCAAGTCTTTCTAGAAAGCTCATATGTAGAGGCCATG 180
Db 121 ACATGAGCCATTTGGCTTAATGTCAAGTCTTTCTAGAAAGCTCATATGTAGAGGCCATG 180
QY 181 AGGTAAACAGTATGACTCACTCAAGGCTTCGTTAATGACTACAGAAAGCTTTCTGCAT 240
Db 181 AGGTAAACAGTATGACTCACTCAAGGCTTCGTTAATGACTACAGAAAGCTTTCTGCAT 240
QY 241 TGAATTTGAGTGTGTCCATATGCCACAGAGACAGAAAGAAATGAAATATTTGTTG 300
Db 241 TGAATTTGAGTGTGTCCATATGCCACAGAGACAGAAAGAAATGAAATATTTGTTG 300
QY 301 ACCTACTCTGATATGCTTCCAGGCTTATCAACCTGGCAATAGTTAATAATTTAAAG 360
Db 301 ACCTACTCTGATATGCTTCCAGGCTTATCAACCTGGCAATAGTTAATAATTTAAAG 360
QY 361 ATTTTGTGTTGAATTAAGAGAACTTTAAATGATGTGTGAGAGCTTTATCTACAAATC 420
Db 361 ATTTTGTGTTGAATTAAGAGAACTTTAAATGATGTGTGAGAGCTTTATCTACAAATC 420
QY 421 AGAGCTTATGAAGAGCTACAGAGAAACCACTACAGATGTATGCTTATAGACCTGTGA 480
Db 421 AGAGCTTATGAAGAGCTACAGAGAAACCACTACAGATGTATGCTTATAGACCTGTGA 480

QY 481 TTCCCTGTGAGAGCTGATGCTGAGTGTCTTGACATCCCTTTTGTGCTCACACTTAGA 540
Db 481 TTCCCTGTGAGAGCTGATGCTGAGTGTCTTGACATCCCTTTTGTGCTCACACTTAGA 540
QY 541 TTTCTGTAGAGGCAATATGAGAGCGAAGCTGTGGGAACTTCCAGCTTCCATG 600
Db 541 TTTCTGTAGAGGCAATATGAGAGCGAAGCTGTGGGAACTTCCAGCTTCCATG 600
QY 601 TACCTGTGCTTATGACAGACTACACAGACAAATGACTTTCTGAAAGATTAATAAT 660
Db 601 TACCTGTGCTTATGACAGACTACACAGACAAATGACTTTCTGAAAGATTAATAAT 660
QY 661 CAATGCTTCAGTTTGTTCACCTTGTGATTCAGGATTAACGATTAATTTTGGGAAG 720
Db 661 CAATGCTTCAGTTTGTTCACCTTGTGATTCAGGATTAACGATTAATTTTGGGAAG 720
QY 721 AGTTTATAGTAAAGGATTAAGAGGCCCACTACATTAATGTAGAGCTGTGGGAAAGCTG 780
Db 721 AGTTTATAGTAAAGGATTAAGAGGCCCACTACATTAATGTAGAGCTGTGGGAAAGCTG 780
QY 781 AGATATGCTTAATAGCAATATTTGGGATTTGAAATTTCTCAACCACTACCTACT 840
Db 781 AGATATGCTTAATAGCAATATTTGGGATTTGAAATTTCTCAACCACTACCTACT 840
QY 841 TTGAGTTGTGAGAGATTTGCACTGTAAACCTGCCAAAGCTTGGCTTAAGAAATGAAA 900
Db 841 TTGAGTTGTGAGAGATTTGCACTGTAAACCTGCCAAAGCTTGGCTTAAGAAATGAAA 900
QY 901 ATTTTGTCCAGATTCAGGGGAAAGATGTATGTGTGTCTCTGTGGGCTCACTGTTTC 960
Db 901 ATTTTGTCCAGATTCAGGGGAAAGATGTATGTGTGTCTCTGTGGGCTCACTGTTTC 960
QY 961 AAAATGTTACAGAGAAAGGCTAATATCATTTGCTCAGCCTTGTCCAGATCCACAGA 1020
Db 961 AAAATGTTACAGAGAAAGGCTAATATCATTTGCTCAGCCTTGTCCAGATCCACAGA 1020
QY 1021 AGGTGTTAGAGATTAAGAGAAACCAATCCACATTAAGAGCAATACCTGGCTGT 1080
Db 1021 AGGTGTTAGAGATTAAGAGAAACCAATCCACATTAAGAGCAATACCTGGCTGT 1080
QY 1081 ATGATTTGATACCCCAAGATGATCTTCTGTGATCCCAAAACCAAGCTTTATCACTC 1140
Db 1081 ATGATTTGATACCCCAAGATGATCTTCTGTGATCCCAAAACCAAGCTTTATCACTC 1140
QY 1141 ATGTGTGAATGAATGGATCTATGAAGCTATTTACATGGGCTCCTATGTGGAGTTTC 1200
Db 1141 ATGTGTGAATGAATGGATCTATGAAGCTATTTACATGGGCTCCTATGTGGAGTTTC 1200
QY 1201 CCATATTTGATGATGCTTTGATTAATATGCTCAATGAAGCCAAAGAGAGAGCTGTAG 1260
Db 1201 CCATATTTGATGATGCTTTGATTAATATGCTCAATGAAGCCAAAGAGAGAGCTGTAG 1260
QY 1261 AAATAACTTCAAACTATGACAGAGAGATTTTCTGAGGCTTTGAGAAAGCTATTA 1320
Db 1261 AAATAACTTCAAACTATGACAGAGAGATTTTCTGAGGCTTTGAGAAAGCTATTA 1320
QY 1321 CCGATTTCTTTAATAAGAAATGCTATGAGATTAAGAAATTAACATGATCAACCTG 1380
Db 1321 CCGATTTCTTTAATAAGAAATGCTATGAGATTAAGAAATTAACATGATCAACCTG 1380
QY 1381 TAAAGCCCTTAATGAGAGAGCTTCTGTGATGAGTTGTCAATGGCCCAAAAGAGCCA 1440
Db 1381 TAAAGCCCTTAATGAGAGAGCTTCTGTGATGAGTTGTCAATGGCCCAAAAGAGCCA 1440
QY 1441 AGCAGCTGCGATCAGTGGCCATGACCTGACCTGTTCCAGAGCTACTATAGATGTA 1500
Db 1441 AGCAGCTGCGATCAGTGGCCATGACCTGACCTGTTCCAGAGCTACTATAGATGTA 1500
QY 1501 TTGGGTTCTGCTGACCTGTGTGGCACTGTATATCTTGTTCACAAATGTTTTTAT 1560
Db 1501 TTGGGTTCTGCTGACCTGTGTGGCACTGTATATCTTGTTCACAAATGTTTTTAT 1560
QY 1561 TTTCCTGTCAAAAATTTAATAAACTAGAAAGATGAAAGGGAATAGATCTTTCCAA 1620

Db 1561 TTTCCTGCAAAAATTATTAATAAAGCTAGAAAGATGAAAAGAGGAAATAGTCTTTCCAA 1620
QY 1621 ATTCAGAAAAGACCTG 1636
Db 1621 ATTCAGAAAAGACCTG 1636

RESULT 15

US-10-173-707-521
Sequence 521, Application US/10173707
Publication No. US20030166110A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P430R1C17
CURRENT APPLICATION NUMBER: US/10/173,707
CURRENT FILING DATE: 2002-06-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 521
LENGTH: 2974
TYPE: DNA
ORGANISM: Homo Sapien
US-10-173-707-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;

Best Local Similarity 100.0%; Pred. No. 0; Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GATCAGTGTGTGAGGAACTGCAATCATAGAGTGTGCAAGTCAAGCTTTGGTATTTCTGC 60
Db 1 GATCAGTGTGTGAGGAACTGCAATCATAGAGTGTGCAAGTCAAGCTTTGGTATTTCTGC 60
QY 61 TCCTGCAAGCTCTTCTGTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 120
Db 61 TCCTGCAAGCTCTTCTGTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 120
QY 121 ACATGAGCAATGGCTTAATGTCAAGGCTTCTGAAAGAGCTCATAGTGAAGGCGCATG 180
Db 121 ACATGAGCAATGGCTTAATGTCAAGGCTTCTGAAAGAGCTCATAGTGAAGGCGCATG 180
QY 181 AGGTAAAGATTAATGACTCACTCAAGGCTTCTGTAATGACTCAAGAGGCTTCTGCAAT 240
Db 181 AGGTAAAGATTAATGACTCACTCAAGGCTTCTGTAATGACTCAAGAGGCTTCTGCAAT 240
QY 241 TGAATTTGAGGTGTGCTCATATGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
Db 241 TGAATTTGAGGTGTGCTCATATGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
QY 301 ACCGAGCTGGAATGTCTTGGCAGGCTTAATCAAGCTGCAATGATTAATAATTAATG 360
Db 301 ACCGAGCTGGAATGTCTTGGCAGGCTTAATCAAGCTGCAATGATTAATAATTAATG 360
QY 361 ATTTTGTGTAATAAGAGAACTTTAAATATGATGTGAGAGCTTTATCTACATC 420
Db 361 ATTTTGTGTAATAAGAGAACTTTAAATATGATGTGAGAGCTTTATCTACATC 420
QY 421 AGAGCTTTAAG 480
Db 421 AGAGCTTTAAG 480
QY 480 AGAGCTTTAAG 480
Db 480 AGAGCTTTAAG 480

QY 481 TTCCCTGTGAG 540
Db 481 TTCCCTGTGAG 540
QY 541 TTTCTGTGAG 600
Db 541 TTTCTGTGAG 600
QY 601 TACCTGTGCTTAAG 660
Db 601 TACCTGTGCTTAAG 660
QY 661 CAATGCTTTCAAGTTTGTTCACCTTCTGATTCAGAGTTACGATCAATTTTGGGAG 720
Db 661 CAATGCTTTCAAGTTTGTTCACCTTCTGATTCAGAGTTACGATCAATTTTGGGAG 720
QY 721 AGTTTATAGTAAG 780
Db 721 AGTTTATAGTAAG 780
QY 781 AGATATGAGCTAATAG 840
Db 781 AGATATGAGCTAATAG 840
QY 841 TTGAGTTGTGTGAG 900
Db 841 TTGAGTTGTGTGAG 900
QY 901 ATTTTGTGCAAGTTCAAGGAG 960
Db 901 ATTTTGTGCAAGTTCAAGGAG 960
QY 961 AAAATGTTCAAG 1020
Db 961 AAAATGTTCAAG 1020
QY 1021 AGGTGTATGAG 1080
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Db 1621 ATTCAGAAAGACCTG 1636

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